

## DVI over Cat5/6 Extender, Box-Style Remote Repeater for Video, DVI-I Dual Link, Up to 175 ft. (53 m), TAA

MODEL NUMBER: **B140-110**



Extend and expand a Tripp Lite B140-Series DVI over Cat5 installation

### Description

The B140-110 remote repeater unit can be added to your Tripp Lite B140-Series HDMI over Cat5 installation to expand the range and number of monitors. It transmits a DVI-D Single-Link signal up to 175-ft. (53.34 m) away using a single Cat5e/6 patch cable. To achieve maximum distance and resolution, use 24AWG Solid Wire Cat5e/6 cable (Tripp Lite's N202-Series). The B140-110 is compatible with all operating systems, and is plug and play, with no software or drivers required. It features a built-in Equalization control for adjustment of the video image. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Installation is simple; just insert the B140-110 repeater into the middle of your installation (Cannot be used with Passive extender kits or Passive receiver units). In the case of a B140-101X active extender kit, the built-in DVI connector on the transmitter is connected to the DVI source. It is then connected via Cat5e/6 cable to the B140-110, which is connected via Cat5e/6 cable to the B140-101X receiver unit. Finally, a monitor is connected to both the repeater and receiver units using Tripp Lite P561-Series DVI cable (not included).

- Connect up to four remote units (three repeaters and one active receiver) in a single chain, for a total of 4 displays. (An active receiver should be the last unit in a chain)
- A 1920 x 1080 @ 60Hz signal can be extended up to 125-ft. (38.1 m) from each repeater to the next unit in the channel, or a 1024 x 768 @ 60Hz signal can be extended up to 175-ft. (53.34 m)

### Features

- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60Hz

### Highlights

- Insert into your Tripp Lite B140-Series DVI over Cat5 installation to expand the range and number of monitors (Cannot be used with Passive extender kits or Passive receiver units)
- Supports DVI-D Single-Link video resolutions up to 1920 x 1080 @ 60Hz
- Extends a 1920 x 1080 @ 60Hz signal up to 125-ft. (38.1 m), or a 1024 x 768 @ 60Hz signal up to 175-ft. (53.34 m)
- Use 24AWG, Solid Wire Cat5e/6 cable, such as Tripp Lite's N202-Series, to achieve maximum distance and resolution
- Compatible with all operating systems
- Plug and play, no software or drivers required
- Features a built-in Equalization control for adjustment of the video image
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

#### Package Includes

- B140-110 Extender / Repeater Unit
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output:



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

- Extends a 1920 x 1080 @ 60Hz signal up to 125-ft. (38.1 m), or a 1024 x 768 @ 60Hz signal up to 175-ft. (53.34 m)
- Insert into your Tripp Lite B140-Series DVI over Cat5 installation to expand the range and number of monitors (Cannot be used with Passive extender kits or Passive receiver units)
- Add up to four remote units (three repeaters and one active receiver) in a single chain, for a total of 4 displays. (An active receiver should be the last unit in a chain)
- A 1920 x 1080 @ 60Hz signal can be extended up to 125-ft. (38.1 m) from each repeater to the next unit in the chain, or a 1024 x 768 @ 60Hz signal can be extended up to 175-ft. (53.34 m)
- Use 24AWG, Solid Wire Cat5e/6 cable, such as Tripp Lite's N202-Series, to achieve maximum distance and resolution
- Features a built-in Equalization control for adjustment of the video image
- HDCP compatible
- Compatible with all operating systems
- Plug and play; no software or drivers required
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

5V, 2A)

- Mounting Hardware
- Screwdriver for Equalization Adjustment

## Specifications

| OVERVIEW                                       |                                                |
|------------------------------------------------|------------------------------------------------|
| UPC Code                                       | 037332168085                                   |
| Product Type                                   | Transceiver                                    |
| AC Adapter                                     | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A |
| Technology                                     | DVI; Cat5/5e; Cat6                             |
| VIDEO                                          |                                                |
| Max Supported Video Resolution                 | 1920x1080 (1080p @ 60Hz)                       |
| Max 720P Range (ft)                            | 175                                            |
| Max 1080P Range (ft)                           | 125                                            |
| Max 1280 x 720 (720p) Range (ft)               | 125                                            |
| Max 1920 x 1080 (1080p) Range (ft)             | 125                                            |
| Receiver/Transceiver Video Output              | DVI-I                                          |
| Range Extension using other Tripp Lite product | 175ft                                          |
| Recommended Cabling                            | N202-Series Cat6 Patch Cable                   |
| HDR Support                                    | No                                             |
| 3D Video Supported                             | Yes                                            |
| Maximum Signal Range (ft)                      | 175                                            |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

|                                                 |                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Signal Range (m)                        | 53                                                                                                                                                            |
| Maximum Signal Range Details                    | 175 ft @ 1024 x 768 XGA125 ft @ 1920 x 1080 UXGA                                                                                                              |
| <b>POWER</b>                                    |                                                                                                                                                               |
| Power Source                                    | Unit (Included)                                                                                                                                               |
| Power Source Type                               | AC Adapter                                                                                                                                                    |
| AC Plug Type                                    | NEMA 1-15P                                                                                                                                                    |
| External Power Supply Input Specs (V / Hz / A)  | 100-240V / 50-60Hz / 0.5A                                                                                                                                     |
| External Power Supply Output Specs (V / A)      | 5V/2A                                                                                                                                                         |
| External Power Supply Cord Length (ft.)         | 4.5                                                                                                                                                           |
| External Power Supply Cord Length (m.)          | 1.4                                                                                                                                                           |
| External Power Supply DC Barrel Connector Specs | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve                                                                                                          |
| External Power Supply Certifications            | FCC; PSE; TUV; UL; cUL                                                                                                                                        |
| Power Over Cable (PoC) Support                  | No                                                                                                                                                            |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>    |                                                                                                                                                               |
| LED Indicators                                  | Power (Green); Activity (Orange)                                                                                                                              |
| <b>PHYSICAL</b>                                 |                                                                                                                                                               |
| Color                                           | Black                                                                                                                                                         |
| Included Mounting Accessories                   | Wallmount                                                                                                                                                     |
| Number of Displays                              | 1                                                                                                                                                             |
| Optional Mounting Accessory Notes               | Can DIN Mount using Tripp Lite Bracket <a href="http://www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-1-B110-DIN-01">B110-DIN-01</a> |
| Form Factor/Mounting Options                    | Box; Wall-mount                                                                                                                                               |
| Shipping Dimensions (hwd / cm)                  | 5.59 x 18.29 x 16.51                                                                                                                                          |
| Shipping Dimensions (hwd / in.)                 | 2.20 x 7.20 x 6.50                                                                                                                                            |
| Shipping Weight (kg)                            | 0.68                                                                                                                                                          |
| Shipping Weight (lbs.)                          | 1.50                                                                                                                                                          |
| Unit Dimensions (hwd / cm)                      | 2.54 x 11.43 x 6.35                                                                                                                                           |
| Unit Dimensions (hwd / in.)                     | 4.53 x 1.06 x 2.46                                                                                                                                            |
| Unit Packaging Type                             | Box                                                                                                                                                           |
| Unit Weight (kg)                                | 0.18                                                                                                                                                          |
| Unit Weight (lbs.)                              | 0.4                                                                                                                                                           |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

|                                              |                                                       |
|----------------------------------------------|-------------------------------------------------------|
| Housing                                      | Metal                                                 |
| <b>ENVIRONMENTAL</b>                         |                                                       |
| Operating Temperature Range                  | 32 to 104 °F (0 to 40 °C)                             |
| Storage Temperature Range                    | 5 to 122 °F (-15 to 50 °C)                            |
| Relative Humidity                            | 0% to 85%, Non-Condensing                             |
| <b>COMMUNICATIONS</b>                        |                                                       |
| Max 1024 x 768 Range (ft)                    | 175                                                   |
| Max 480P Range (ft)                          | 175                                                   |
| Max 1440 x 900 Range (ft)                    | 175                                                   |
| Max 1080i Range (ft)                         | 125                                                   |
| Max 480i Range (ft)                          | 175                                                   |
| Max 640 x 480 Range (ft)                     | 175                                                   |
| Max 800 x 600 Range (ft)                     | 175                                                   |
| Max 1600 x 1200 Range (ft)                   | 175                                                   |
| EDID Compatible                              | Yes                                                   |
| IR Remote Extension Support                  | No                                                    |
| RS-232 Serial Extension Support              | No                                                    |
| Consumer Electronics Control (CEC) Supported | Yes                                                   |
| USB Extension Support                        | No                                                    |
| <b>CONNECTIONS</b>                           |                                                       |
| Ports                                        | 1                                                     |
| Side A - Connector 1                         | RJ45 (FEMALE)                                         |
| Side B - Connector 1                         | DVI-I DUAL-LINK (FEMALE) (WIRED TO DVI-D SINGLE-LINK) |
| Side B - Connector 2                         | RJ45 (FEMALE)                                         |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                                       |
| Driver Required                              | No                                                    |
| Built-In Equalizer                           | Yes                                                   |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                                       |
| Certifications                               | Tested to FCC, RoHS, REACH                            |
| <b>WARRANTY</b>                              |                                                       |
| Product Warranty Period (Worldwide)          | 1-year limited warranty                               |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:  
<https://www.tripplite.com/products/product-certification-agencies>