

## CAT 5 DVI Extender

### ST121UTPDVI

#### Introduction

Thank you for purchasing a StarTech.com CAT 5 DVI Extender. Designed to provide simple extension of a DVI signal, ST121UTPDVI offers a convenient way to properly situate a DVI display, relying on the cost-effectiveness of CAT5 cable.

#### Features

- Supports resolutions up to 1600x1200 (60Hz)
- Supports DVI-D interface
- Easy installation

#### System Requirements

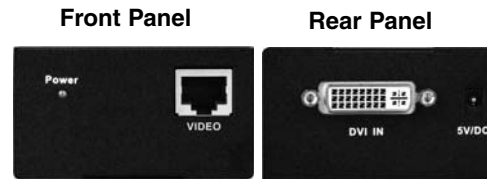
- A DVI video source
- A DVI capable display
- CAT 5 UTP Cable
- An available power outlet for both Local and Remote Units

#### Package Contents

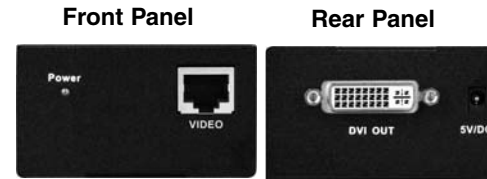
- 1 X DVI Local Unit Extender
- 1 X DVI Remote Unit Extender
- 1 X Instruction Manual (this document)
- 2 X Power Adapter

## Hardware Guide

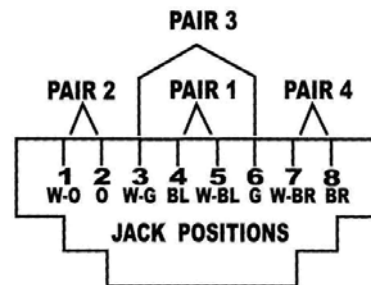
### Local unit



### Remote unit

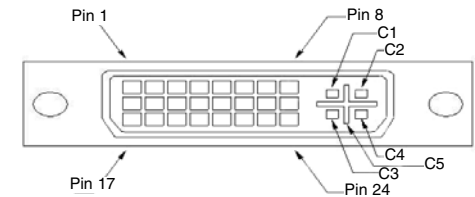


### Wiring Information and Coding



Conductor Identification	RJ45 Pin Assignment	Color Code for Conductor
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown

### DVI Pinout/Input and Output Signals



Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

## Installation

1. Turn off the source PC and the intended display.
2. Position the ST121UTPDVI Remote Unit near the intended display. Similarly, position the Local Unit near the computer. Please note that both units will require a power connection, so please ensure that each unit is situated near an available power outlet.
3. Connect the source PC to the “**DVI In**” port on the rear panel of the local unit, using a DVI male/male cable.
4. Connect the intended display to the “**DVI Out**” port located on the rear panel of the Remote Unit, using a DVI male/male cable.
5. Connect the Local Unit to the Remote Unit, using standard CAT5 cable (terminated at both ends with an RJ45 connector).
6. Connect the power adapters (provided) to both Local and Remote Units.
7. Turn on the PC and monitor.

## Specifications

<b>Regulatory Certifications</b>	ROHS, CE, FCC
<b>Connectors</b>	Local Unit: 1 x DVI-I (Out) 1 x RJ45 1 x Power  Remote Unit: 1 x DVI-I (In) 1 x RJ45 1 x Power
<b>Power Adapter</b>	2 x DC 5V 1A
<b>Maximum Supported Resolution</b>	1600 x 1200 @ 60Hz
<b>Maximum Distance Extension</b>	50m (150 feet)
<b>Weight</b>	138g
<b>Dimensions (LxWxH)</b>	67x52x38 mm

## Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit [www.startech.com](http://www.startech.com) for cables or other accessories that will help you get the best performance out of your new product:

### **DVIIDMM6**

6' DVI-I Dual Link Digital/Analog Flat Panel Cable M-M

### **DVIIDMM10**

10' DVI-I Dual Link Digital/Analog Flat Panel Cable M-M

### **M45PATCH50BL**

50' Blue Molded Category 5e UTP Patch Cable

### **M45PATCH75BL**

75' Blue Molded Category 5e UTP Patch Cable

### **M45PATCH100B**

100' Blue Molded Category 5e UTP Patch Cable

### **ZENDVI2**

Cable ZEN 6.6 ft (2m) DVI Digital Video Cable

#### **Support, Warranty Information, and Regulatory Compliance Statement**

If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads. This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

**Limitation of Liability:** In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

**FCC Compliance Statement:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.