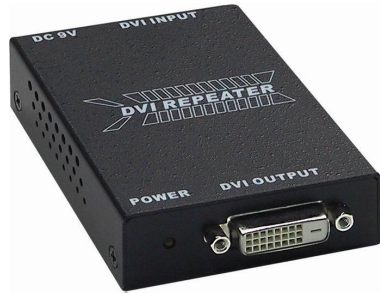




LDE-050 DVI Repeater

Quick Installation Guide

Thank you for purchasing the **LDE-050 DVI Repeater**! With our highly reliable and quality product, user can enjoy countless benefits from using it.



LDE-050 DVI Repeater

Introduction

The **LDE-050 DVI Repeater** is a device that can help stabilize and enhance the digital video signals carried over the DVI cable for longer distance. The **DVI interface technology** uses purely digital transmission to eliminate the distortion due to digital/analog conversion seen in the conventional HDB interface. However, digital signals can also suffer from degradation and attenuation due to cabling distance factors. This DVI Repeater is the solution to extend your DVI cabling for longer distance yet retains best digital video quality. This DVI signal enhancement device offers a purely digital **DVI-D Single Link** signal support to offer genuine digital video quality for your Flat Panel Displays over longer cable extension over 15 meters*. Using this DVI Repeater, you can enjoy digitally clean and clear images over longer video cable.

Before you install

The **LDE-050 DVI Repeater** provides two DVI-I connectors for video input/out specifically, and is compatible to purely digital DVI-D *Single Link* video signal type. It is capable of enhancing the DVI signal well over 15 meters and the biggest resolution support is up to 1600 x 1200 pixels.

Before you install the DVI Repeater, please note the following functional limits of this product so that you can maximize its performance with reasonable usage.....

* The effective cabling distance will vary according to the quality of the DVI video cable you use. Normally, this DVI Repeater can effectively support at least 15 meters of cabling distance between computer and the repeater with good quality cable. However, if you find the cable you use cannot well sustain 15 meters of cabling distance, you might consider using the cable we recommend: CAB-2035, which has various lengths for your choice.

⚡ The DVI Repeater DOES NOT support analog video from an analog VGA display card.

⚡ The effective cabling distance from computer to the DVI Repeater is at least 15 meters (50 ft); and 5 meters (17 ft.) from the DVI repeater to the monitor/Flat Panel Display.

Out-of-the-box Installation

Take the DVI Repeater out of the box and begin installation....

💡 Before you install the DVI repeater, it is better that you power off your system. And only power on again after you have completed its installation.

Step 1. First, connect the external power adapter (DC 9V 1A) to the DVI Repeater.

💡 While attaching the external power adapter to DVI Repeater, you might feel some heat coming up to its metal casing. This is normal condition, since the metal casing can help dissipate heat generated from its internal circuitry.

Step 2. Use a DVI video cable to connect the DVI port of *your computer to the DVI Input* port of the Repeater.

💡 Normally the DVI Repeater should use an external power adapter (DV 9V 1A) for stable power supply. On the other hand, the DVI Repeater is also self-powered by electricity coming through the computer's DVI interface itself. If the DVI video cable is within 5 meters, it can be sufficiently self-powered and can even go without a power adapter. And, if the DVI video cable exceeds 5 meters, external power source is mandatory.

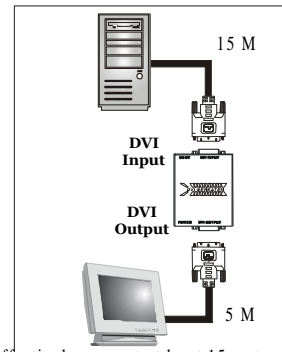
Step 3. Then Connect the DVI video cable of your *DVI monitor/Flat Panel Display to the DVI Output* port of your Repeater.

Step 4. If your computer has not been powered on, you should then power on your computer.

Step 5. Check the display of your DVI Monitor/Flat Panel Display. You should have a digital display quality that stays as crisp and clear as it originally is

💡 Normally, the display quality that comes through the DVI Repeater should be as good as its original. However, excessive electromagnetic interference might have visible negative effects on its display quality.

⚡ **DO NOT TRY** to power on the computer without connecting it to the DVI monitor/Flat Panel Display. Since your computer system might need to detect the monitor type information once during power on, lack of DVI monitor might cause no display when you connect the monitor later on.



Troubleshooting

No screen shown on the DVI Display while connected to the DVI repeater

Please go through the following troubleshooting steps to verify the cause of the problem:

- 1. Check Power LED** to see if it is lit. If the Power LED is not lit, it means your DVI Repeater is not powered on at all. If that is the case, check whether you have connected the external power adapter properly to it, or whether there's any failure from the power source.
- 2. Check whether you have connected the DVI Repeater correctly.** The correct connection to be made is to connect the DVI Input port to your computer, using a good quality DVI video cable, and to connect the DVI Output port to the DVI Monitor's own video cable. If you connected it in the wrong way, try to reconnect it correctly.
- 3. Check whether the video signal source output from the DVI port of your computer is OK.** You can check it by connecting it directly to your monitor to see if the monitor can display properly. If your monitor cannot display properly even when directly connected to the computer, it means the video output is not valid on the computer. If that is the case, try to reboot the computer still connected with the monitor and see if the video source output resumes. If not, then your video source output is the cause.
- 4. If you have checked through 1, 2 and 3 and found no problem with power or connection, then you should try to disconnect all cables from your DVI Repeater. Wait for a few seconds and first connect the external power adapter to it,** then connect the computer and Monitor to the DVI Repeater. The reason for doing so is to reset the DVI Repeater system itself. The DVI Repeater might not be properly powered on if you connect it to the computer before connecting it to the external power adapter, especially when using a long cable (which will diminish power coming from computer and making the DVI Repeater non-functional). If that is the case, a system reset on the DVI Repeater is therefore required. If you have tried all these steps and still the cause of problem remains unclear, try to contact your local dealer for technical support.

The DVI video screen is dispersed with dusty speckles

The dusty speckles on the monitor might be caused by a DVI Repeater system not properly powered on. For troubleshooting, **you should perform a repeater system reset** : (1) try to disconnect all cables from your DVI Repeater. (2) Wait for a few seconds and first connect the external power adapter to it, (3) then connect the computer and Monitor to the DVI Repeater. The reason for doing so is to reset the DVI Repeater system itself. The DVI Repeater might not be properly powered on if you do not first connect it to the external power adapter, especially when using a long cable (which, if with no external power source, will diminish power coming from computer and making the DVI Repeater non-functional). If that is the case, a system reset on the DVI Repeater is therefore required. Also if you are using long cable or the cable quality is not good, it is more likely that you'll see speckles on the screen.

The video screen is OK with short cable (within 5 meters) but no screen with longer cable (within 5 ~ 15 meters)

First, you should try to perform a *repeater system reset* (see previous point) to see if it is due to improper connection sequence. After a repeater system reset, if you still see no screen, then it might be due to poor quality of your longer DVI video cable. Then replace the longer video cable with a good quality one, such as the CAB-2035 we provide.