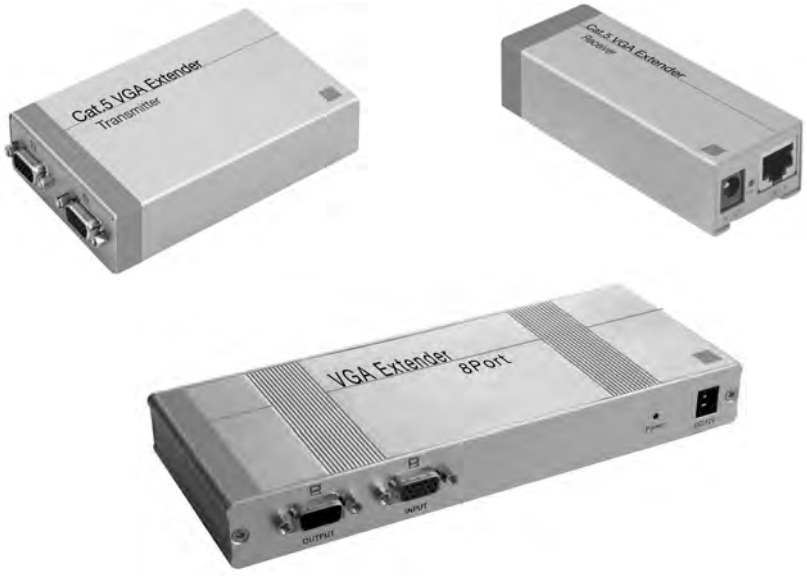
SKYLINK ENGINEERING

CAT5 VGA Extenders

User Manual *English*



32537, 32538, 32539

CE FC

Introduction

Thank you for purchasing one of the products from our CAT5 VGA Extender range. With a CAT5 VGA Extender you can locate your monitor(s) up to 300m away from your computer.

This manual covers the following products:

CAT5 VGA Extender	**No. 32537**
CAT5 VGA Extender & Splitter, 8 Port	**No. 32538**
CAT5 VGA Extender, Remote Unit	**No. 32539**

The CAT5 VGA Extender system is made up of a **transmitter** (local) and a **receiver** (remote) unit that are connected together by CAT5 twisted pair cable (not included). The remote receiver unit connects to your distant monitor(s); the local transmitter unit connects to the computer system's video port and, optionally, to a secondary local monitor.

The CAT5 VGA Extender (No. 32537) is supplied with both a transmitter and receiver unit; the CAT5 Extender & Splitter (No. 32538) consists of a transmitter only and requires up to 8 additional remote units (No. 32539) which must be purchased separately according to your requirements.

Package Contents

CAT5 VGA Extender, No. 32537

- CAT5 VGA Extender, Local Transmitter Unit
- CAT5 VGA Extender, Remote Receiver Unit
- 2 x power supplies, 12V DC, 1.25A
- 1.2m VGA cable (15 Way HD Male to 15 Way HD Male)
- This manual

CAT5 8 Port VGA Extender & Splitter, No. 32538

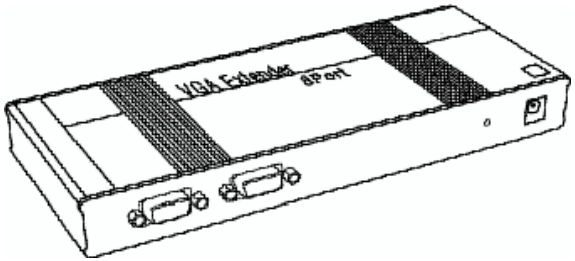
- CAT5 VGA Extender & Splitter, 8 Port, Local Transmitter Unit
- Power supply, 12V DC, 1.25A
- 1.2m VGA cable (15 Way HD Male to 15 Way HD Male)
- This manual

CAT5 VGA Extender, Remote Receiver Unit, No. 32539

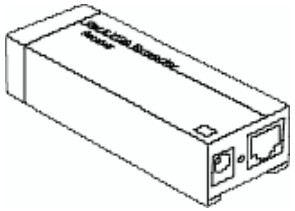
- CAT5 VGA Extender, Remote Unit
- Power supply, 12V DC, 1.25A
- This manual

Product Information

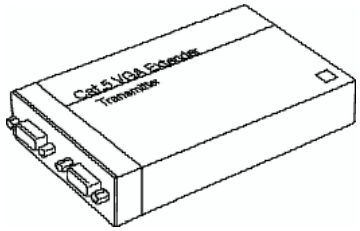
CAT5 8 Port VGA Extender & Splitter Transmitter Unit



CAT5 VGA Extender Receiver Unit



CAT5 VGA Extender Transmitter Unit



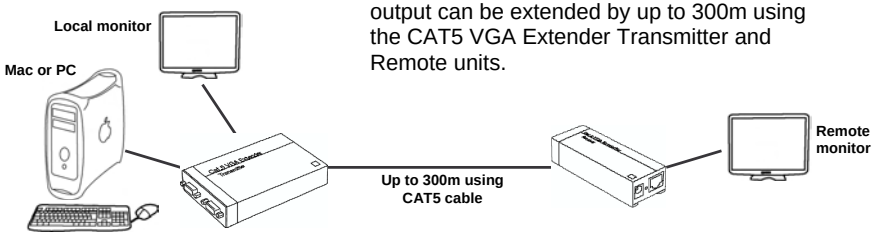
Distances and Resolutions when using CAT5/5e and CAT6 cable

For best results, we recommend you use CAT5 cable. The table below shows the typical resolutions and distances you can expect to achieve when using the various types of cable.

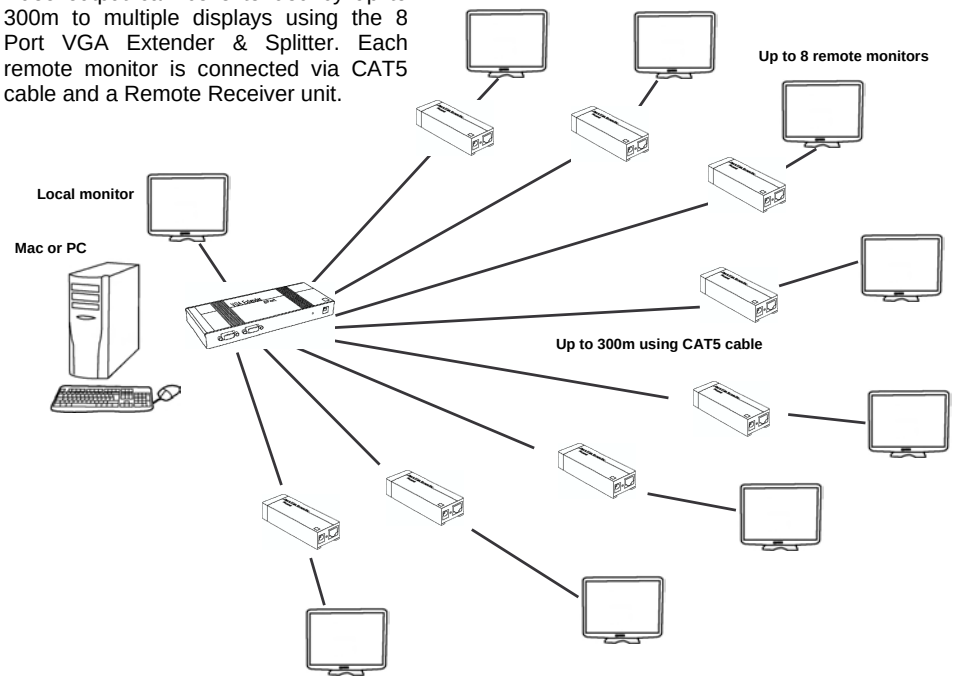
Cable	Distance	Resolution
CAT5/5e	50m	2048 x 1536
	100m	1280 x 1024
	150m	1024 x 768
	200m	800 x 600
	300m	640 x 480
CAT6	30m	1920 x 1440
	50m	1280 x 1024
	100m	800 x 600

Installation Examples

This example shows how a single video output can be extended by up to 300m using the CAT5 VGA Extender Transmitter and Remote units.



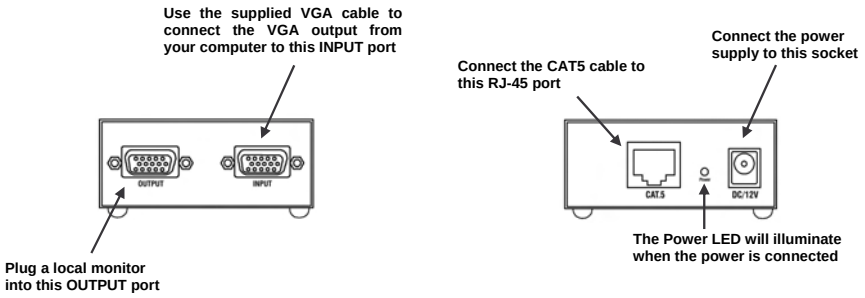
The example below shows how a single video output can be extended by up to 300m to multiple displays using the 8 Port VGA Extender & Splitter. Each remote monitor is connected via CAT5 cable and a Remote Receiver unit.



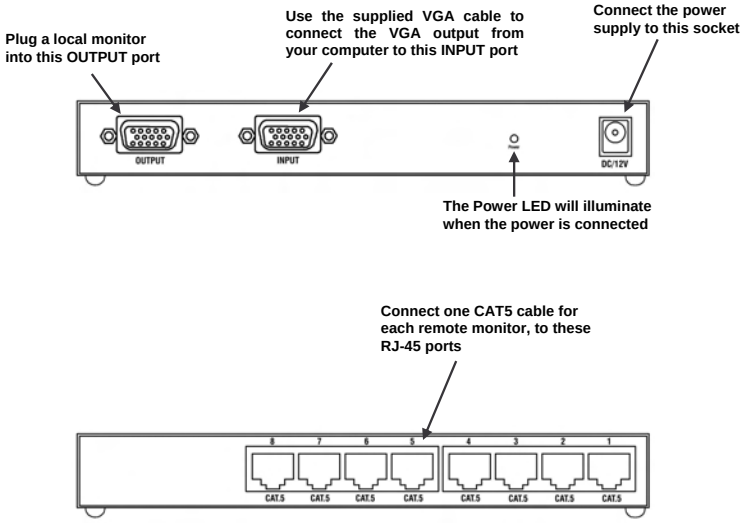
Product Connections & Installation

Make the following relevant connections BEFORE powering up your computer and monitor(s)

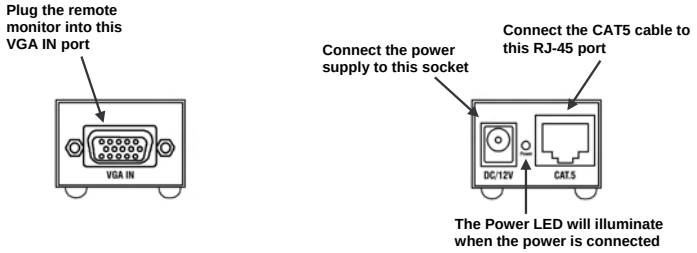
CAT5 VGA Extender, Local Transmitter Unit



CAT5 VGA 8 Port Extender & Splitter



CAT5 VGA Extender, Remote Unit

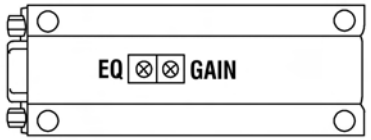


Adjusting the Remote Monitor Picture Quality

On the base of the unit, the CAT5 VGA Extender Remote provides controls for adjusting and improving the picture quality of the connected remote monitor.

EQ: Equalisation adjustment (sharpens the picture)

GAIN: Adjusts picture brightness



A good method to check and adjust the picture quality is to display a high contrast image, with vertical edges, on the remote screen. Launch a word processor and type a large capital ‘H’ in the centre of the screen. Use a bold black font, with a size of 72 points or higher, on a white background.

Using a Philips screwdriver, adjust the EQ control until any shadowing effect, as illustrated on the left hand side, is reduced to an acceptable level, as on the right. Adjust the GAIN control until you achieve a satisfactorily bright picture.

WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.

Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products.

More details can be obtained from your national WEEE recycling agency.

Germany / Deutschland

Die Europäische Union hat mit der WEEE Direktive umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt.
Dieses Gesetz verbietet vom 24.März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (WEEE) pour le recyclage de tout équipement électrique et électronique.

Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation WEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate.

Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.

Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

CE Statement

This device complies with the European Regulations for Electromagnetic Compatibility (EMC) of the European Union and it is equipped with the CE mark. This unit has to be used with high quality shielded connection cables. Only if these high quality shielded cables are used can it be sure that the EMC compatibility is not adversely influenced.

FCC Statement

Shielded cables must be used with this equipment to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

FCC Warning
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 technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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