



**VGA Over Cat5 Extender  
plus x2 Splitter - sender only**

**Model #50-15020**

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# VGA UTP Extender 1X2 Splitter with Audio

## Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## Please Note

This unit includes only the VGA transmitter with 1x2 splitter. The receivers mentioned within this manual are sold separately, under MCM Electronics Item #50-15035.

## 1.0 Introduction

This VGA UTP Extender 1X2 Splitter with Audio is an ideal device for local displaying and remote viewing. It combines split function and extension function. It distributes the input of the VGA signal and audio signal into the two identical outputs simultaneously. Each receiver by Cat5 x1 works with the Sender as a full functional module by receiving the distributed signal from the sender and transmitting to displays individually. Only by the most inexpensive UTP cable with cross stand inside, the full functional module extend the VGA display max up to 300 meters.

It offers solutions for VGA retail and show site and Projector factory, noise space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

## 1.1 FEATURES

This device has many features that enable it to perform in a superior manner. Among those features you will find:

- I Extends VGA video and stereo audio signal max up to 300m over one UTP cable with cross stand inside.
- I Adjusting GAIN and PEAK to adapt for the different length of UTP cable.  
GAIN: Brightness adjustment.  
PEAK: Skew adjustment.
- I Supports resolution max up to 1920x1200.
- I Dual output at local unit: 1 x VGA output for local site, plus 2 x UTP output for remote site.
- I Works with monitors, projectors, HDTV, and flat panels.

## 2.0 SPECIFICATIONS

<b>Input /Output Connector</b>	
Input connector	VGA(Female 15pin), Stereo Audio
Output connector	VGA(Female 15pin), Stereo Audio,2xRJ45
<b>Operating Frequency</b>	
Vertical Frequency Range	60/75/85Hz

<b>Resolutions(PC)</b>	
640X480	
800X600	
1024X768	
1280X720	
1280X768	
1280X960	
1280X1024	
1600X900	
1600X1200	
1920X1080	
1920X1200	
<b>Mechanical</b>	
Size of VGA UTP Extender 1X2 Splitter	102×100×25mm
Weight of VGA UTP Extender 1X2 Splitter	298g
Size of Receiver (L-W-H)	81.5×43×23MM
Weight of Receiver (Net)	108g
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
Operating Temperature	0℃ to +70℃
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10℃ to +80℃
Storage Humidity	5% to 90 % RH (no condensation)
<b>Power Requirement</b>	
Power Supply for VGA UTP Extender 1X2 Splitter	5V@2A, max 5W
Power Supply for Receiver	5V@2A, max 5W
<b>Regulatory Approvals</b>	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
<b>Accessories Adapter</b>	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

**Note:** Specifications are subject to change without notice.

### 3.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

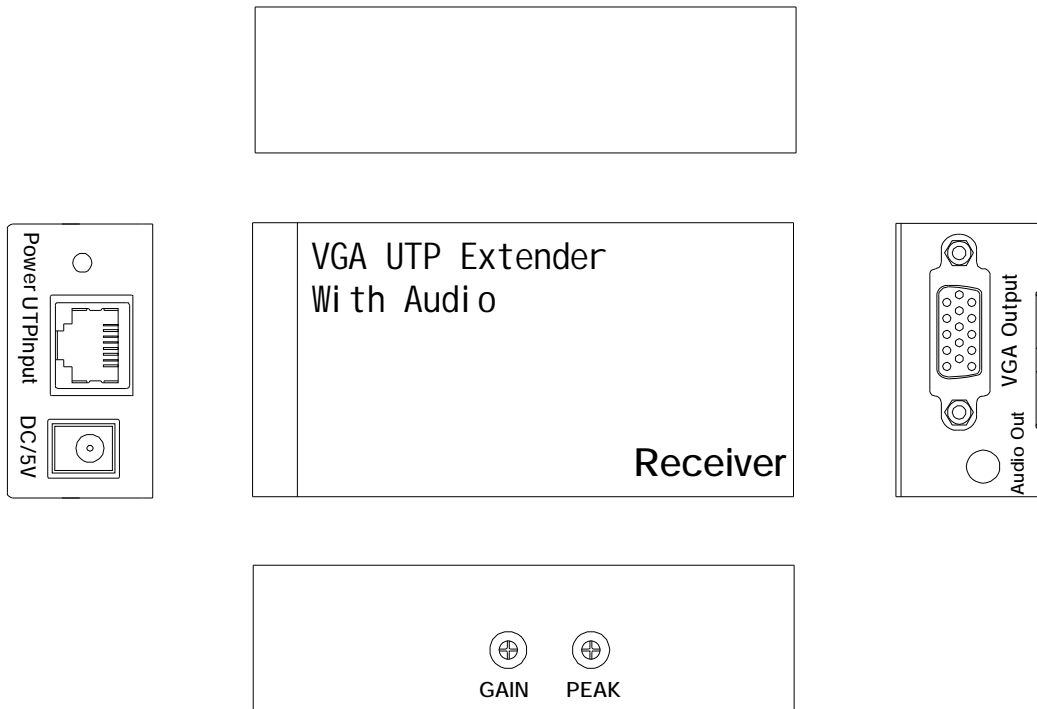
- 1) VGA UTP Extender 1X2 Splitter
- 2) User's Manual
- 3) One piece of 5V@2A DC Power Supply

## 4.0 PANEL DESCRIPTIONS

### Sender



### Receiver - sold separately



## 5.0 CONNECTION AND OPERATION

- 1) Connect the single VGA source to the main VGA input using a piece of VGA cable.
- 2) Connect VGA output of the Sender to a local display and Audio output of the Sender to a local Sounder
- 3) Connect Sender and each Receiver using a piece of each pieces of CAT-5e/6
- 4) Connect VGA outputs of Receivers to remote displays and Audio output of Receivers to remote sounders.
- 5) Plug one 5V @ 2A power supply into the VGA UTP 1X2 Splitter and the others 5V@2A power suppliers to each Receiver individually.

Attention: Insert / Extract cable gently.

## 5.1 CONNECTION DIAGRAM

