



VDL•1000
USER MANUAL

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ASKING FOR ASSISTANCE

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Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

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INTRODUCTION

Thank you for purchasing the new extend•it VDL•1000 by Gefen, Inc.

The VDL•1000 improves the quality of picture transmission over CAT5, CAT5e, or CAT6 UTP or STP cables and may be used with any extender. CAT5/6 cable has been optimized for network data transmission and has four separate twisted pairs each with a different number of turns per unit length to reduce crosstalk between pairs. This results in each pair being a slightly different overall length.

When this type of cable is used for high quality video transmission, usually the Red, Green and Blue signals are each sent down a separate pair (within one 4-pair cable). This may have a significant effect, similar to misconvergence, as signals take a slightly different time to arrive at the receiving end and as a result suffer visible colour separation between Red, Green and Blue.

This distortion is worse for higher resolution signals and is often called SKEW - the effects are removed by adding a short, wide bandwidth delay to the signals that arrive at the monitor first.

Adding the VDL•1000 frequently results in much clearer pictures.

The unit is placed in series with the monitor lead and has three separate delay lines, each switchable with 4 binary bits of 3nS so the delay is adjustable from 0 to 45nS in 3nS increments.

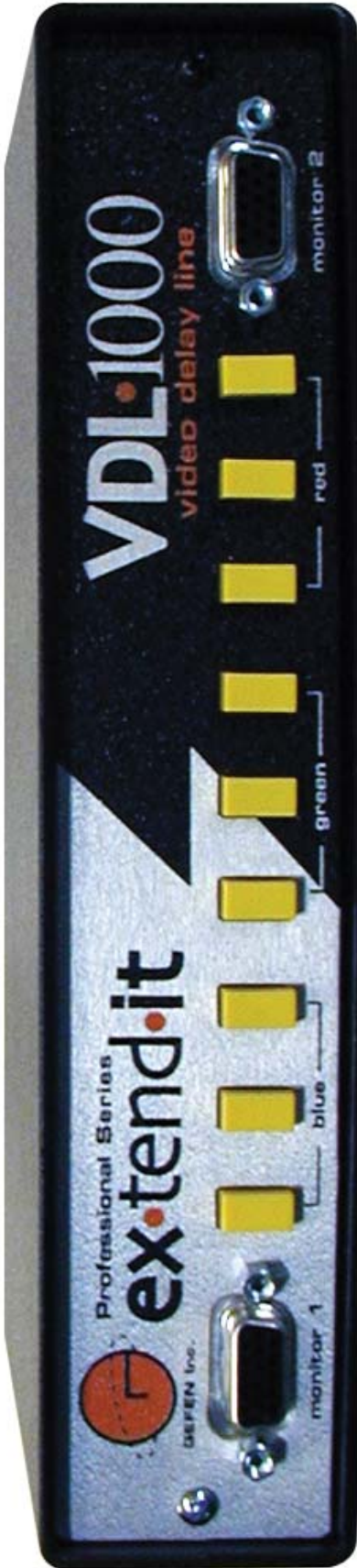
The unit does not require a separate power supply.

CONTENTS

VDL•1000 system consists of:

- (1) VDL 1000
- (2) VGA M-F cables (6FT)
- (1) User Manual

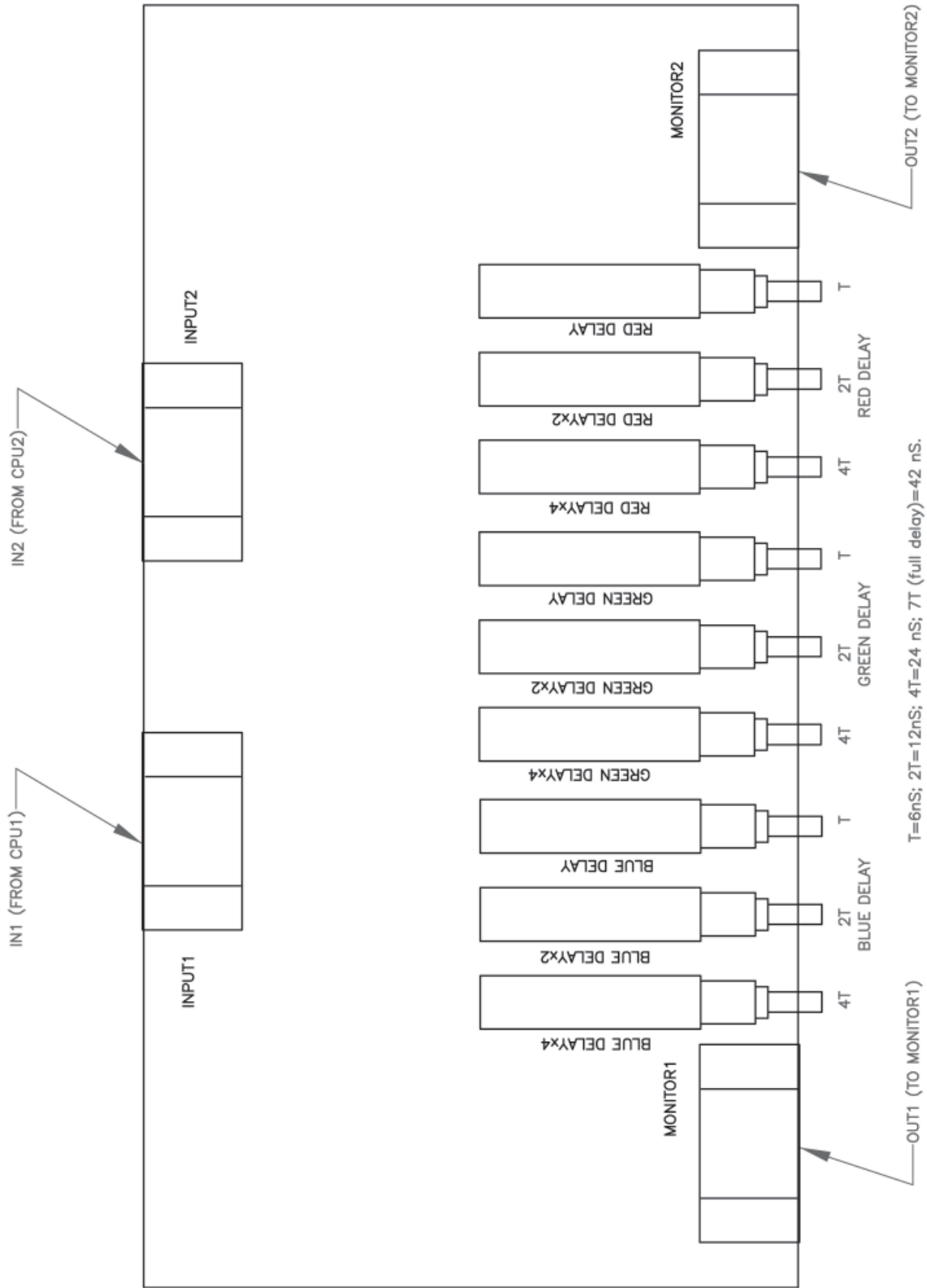
VDL•1000 FRONT PANEL LAYOUT



VDL-1000 BACK PANEL LAYOUT



TIMING DETAILS

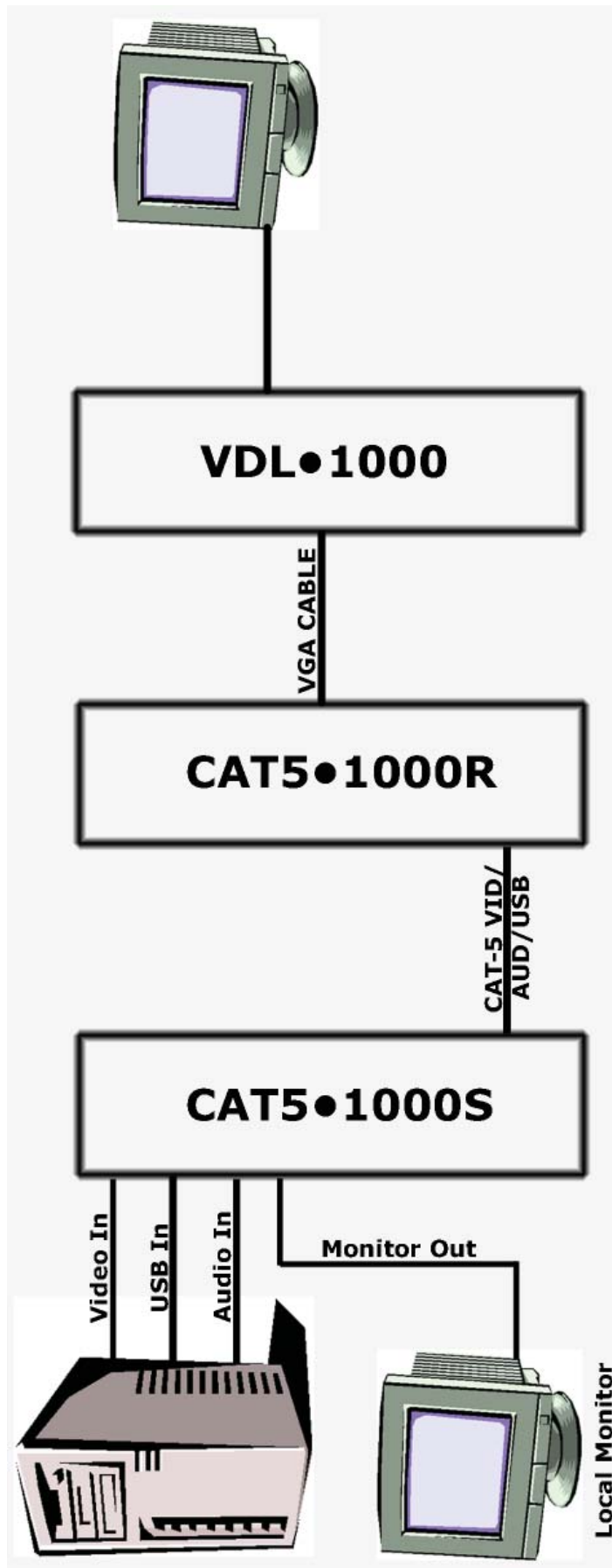


SET ALL SWITCHES OUT = 0 DELAY.
 THE SUM OF PRESSED SWITCHES ARE THE DELAYED VIDEO
 (EX. PRESS BOTH T&2T SWITCHES IS T+2T=3T DELAY).

SPECIFICATIONS

Video Amplifier Bandwidth	350 MHz
Actual Bandwidth	120 MHz
Input Video Signal	1.2 Volts p-p
Video In	HD-15
Video out	HD-15
Power Consumption	1 Amp
Power Supply	5VDC (External)
Dimensions	1.9"H x 1.6"W x 3.5"D
Shipping Weight	2 Lbs

WIRING DIAGRAM



WARRANTY

Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding VDL•1000 features and specifications is subject to change without notice.