

Gefen[®]

Digital Audio Extender

EXT-DIGAUD-141
USER MANUAL



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Notice

Gefen, LLC 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 extend•it Digital Audio Extender.

This unit will extend S/PDIF and TOSLINK digital audio devices up to 100 meters (330 feet).

Place your digital audio components anywhere you want with Gefen's Digital Audio Extender. It supports either S/PDIF or TOSLINK digital audio signals, which are commonly used to transmit stereo and multichannel (7.1, DTS, Dolby Digital, etc.) digital audio.

The Digital Audio Extender system is made up of two units, a sender and a receiver. The sender and receiver boxes are connected by CAT-5 cables to extend the digital audio.

How It Works

The Digital Audio Extender's sender unit connects to the audio source component. The Digital Audio Extender's receiver unit connects to the extended audio component (up to 330 feet away). One CAT-5 cable connects the sender to the receiver and crystal clear digital audio is heard at the device hooked up to the receiver.

BOX CONTENTS

The Digital Audio Extender system consists of:

- (1) Digital Audio Extender
- (1) 5 VDC power supply
- (1) TOSLINK Cable (6 FT M-M)
- (1) User Manual

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DIGITAL AUDIO EXTENDER SYSTEM

Industry standard Category-5 (CAT5 or CAT5e) cables are used to link the Digital Audio Extender sender and receiver boxes together.

The Digital Audio Extender units are housed in metal boxes for RF shielding.

The Digital Audio Extender uses any single CAT5/CAT5e/CAT6 cable of no more than 330 feet (100m) in length.

Figure 1. Top photo of the Digital Audio Extender Sender and Receiver units showing the positions and markings of connectors.



CONNECTING THE DIGITAL AUDIO EXTENDER

How to Connect the Digital Audio Extender System:

- 1- Connect your digital audio source's outputs to the Digital Audio Extender sender unit's audio inputs with either TOSLINK or S/PDIF cabling. **Please see "Panel Layout" on page 4 for a list of connectors on the units.**
- 2- Connect the Sender and Receiver units to one another on their RJ45 link connector jacks using a single CAT5 cable.
- 3- Connect your digital audio receiver or digital audio speaker system to the Digital Audio Extender receiver unit using a TOSLINK or S/PDIF cable plugged into either one of or both S/PDIF or TOSLINK outputs on the receiver unit. The receiver unit can output TOSLINK and S/PDIF signals simultaneously.
- 4- Power on your audio sources and audio playback system. Plug the included 5 volt DC power supply into the Digital Audio Extender sender unit. Observe that the red LED on the receiver unit lights up. If it does not, examine all connections carefully and try again. Upon successful powered connection of the sender and receiver, you should hear pristine digital audio on your digital audio playback equipment connected to the receiver unit.

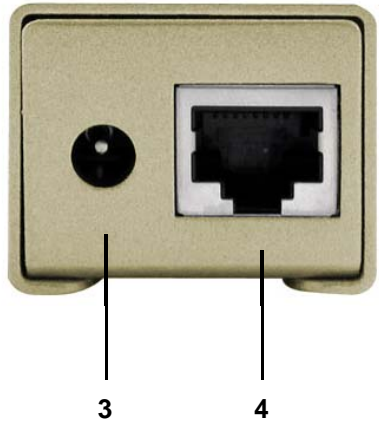
Please refer to the next page (page 4) for a detailed panel layout showing all connectors on the sender and receiver units.

PANEL LAYOUTS

Receiver (CAT5 link side)



Sender (CAT5 link side)



Receiver (output side)



Sender (input side)

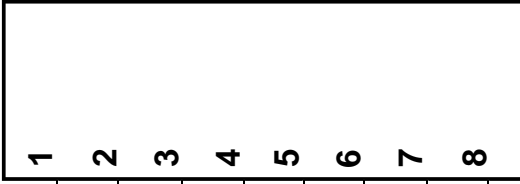


Connections -- Digital Audio Extender Sender & Receiver units

1. RJ45 Jack -- CAT5 cable connection from Sender unit plugs in here
2. Power LED on Receiver -- indicates successful hookup between units
3. 5V DC socket -- Connect the external power supply here (on Sender)
4. RJ45 Jack -- CAT5 cable connection to Receiver unit plugs in here
5. S/PDIF Jack -- Connect digital audio cable here to feed amp / speakers
6. TOSLINK Jack -- Connect digital audio cable here to feed amp / speakers
7. S/PDIF Jack -- Connect digital audio cable here from source to Sender
8. TOSLINK Jack -- Connect digital audio cable here from source to Sender

LINK CABLE WIRING DIAGRAM

RJ-45 Jack



White/Orange

Orange

White/Green

Blue

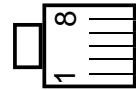
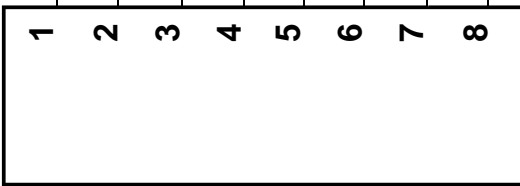
White/Blue

Green

White/Brown

Brown

RJ-45 Jack



SPECIFICATIONS

Data Transmission Rate	12.8 Mb/s
Input/Output	S/DPDIF (Digital Coax), Optical TOSLINK
S/DPDIF Performance (Digital Coax):	96 kHz
Link Connector	RJ-45 Shielded
Power Supply	5V DC
Power Consumption:	5 Watts (max) per power supply.
Dimensions	1.2"H x 3.8"W x 1.4"D
Shipping Weight	1 lbs

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) years 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 Digital Audio Extender features and specifications is subject to change without notice.

For the latest warranty coverage information, please visit Gefen's Warranty web page at <http://www.gefen.com/kvm/aboutus/warranty.jsp>

PRODUCT REGISTRATION

Please register your product online by visiting Gefen's web site at <http://www.gefen.com/kvm/Registry/Registration.jsp>



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