



ADX-8

Extender for ADAT[®] and TOSLINK[®] optical audio connections over Cat5

User's Manual

((en))

1. DESCRIPTION

1.1. Foreword

With the ADX-8 Extender, digital audio data can be losslessly transmitted over large distances (up to 100 m / 328 ft.), using standard Cat5 network cable as the transport medium.

Example usages

- Extending ADAT connections in the recording studio (Digital Multicore)
- Connect your PC in the office room to your hi-fi system in your living room
- Transmit digital audio data to a distant building or room (e.g. your summer house or your hobby room)

Advantages

- Lossless transmission over digital connection (similar to professional studio equipment standard AES/EBU)
- Cheap installation using standard low-cost network cabling
- Eliminates hum and other noise due to galvanic isolation
- Compatible with all audio formats which can be sent over TOSLINK
- Quality product "Made in Switzerland"

1.2. Box Contents

- ADX-8 Sender (TOSLINK in to Cat5 out)
- ADX-8 Receiver (Cat5 in to TOSLINK out)
- Wide-range AC power adapter (country specific plug)
- This manual

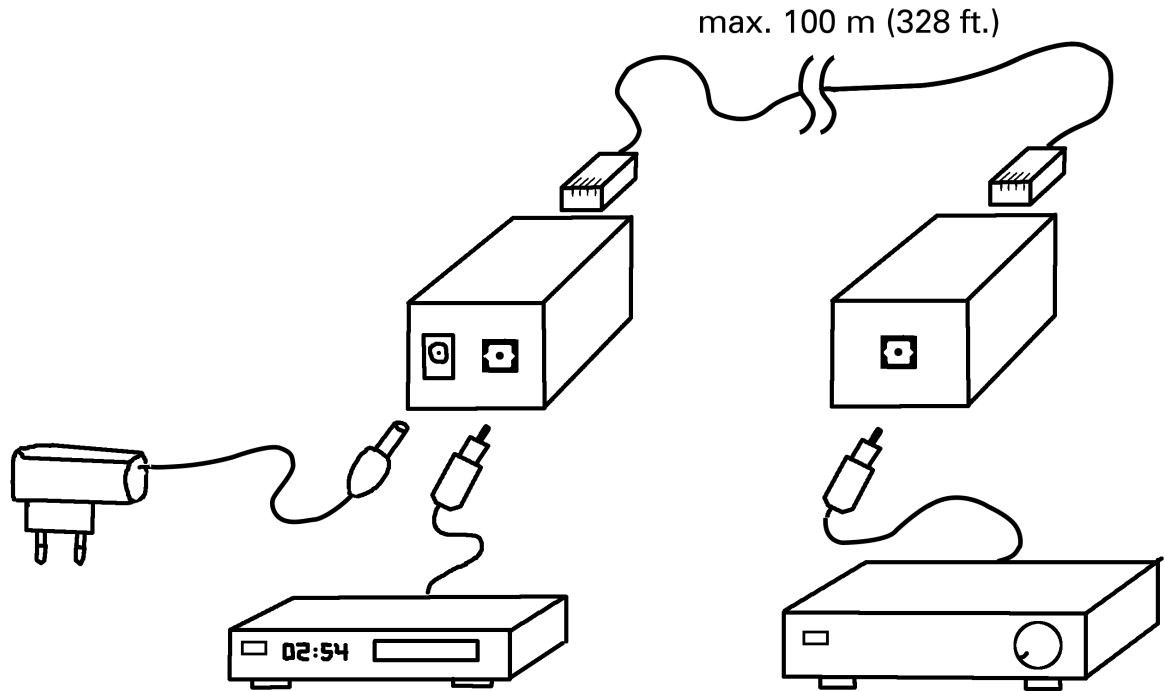
2. SETUP

2.1. Precautions




Use the Cat5 network cable ONLY to connect the ADX-8 devices together. NEVER connect it to network devices, as this could result in damage of both the ADX-8 and/or the network device.

2.2. Connection scheme



- Connect the supplied AC adaptor (power supply) to the sender (labeled “DC IN”)
- Connect the output of your audio signal source (soundcard, ADAT source CD/DVD player...) to the optical input of the sender (labeled “TOSLINK In”) using a standard TOSLINK optical cable
- Connect the sender (Port “Cat5 Out”) to the receiver (Port “Cat5 In”), using a standard 1:1 Cat5 (or better) network cable.
- Connect the receiver's output (labeled “TOSLINK Out”) to the optical input of your playback device (amplifier, receiver or likewise), using a standard TOSLINK optical cable. For ADAT transmission, the playback device may need to have its wordclock source set to its optical input. Please consult the instructions for your playback device for more information.
- The ADX-8 Extender is now ready to operate.

3. SPECIFICATIONS

Model number	ADX-8	
Input/Outputs	Optical connector, F05 Type TOSLINK® compatible	
Maximum distance between sender and receiver	100 m (328 ft.)	
Supported audio formats	<ul style="list-style-type: none"> • ADAT Lightpipe ® • S/PDIF ® (up to 96kHz / 24 bit) • Dolby Digital ® 5.1 (AC-3) • DTS ® • all other TOSLINK compatible formats up to 13.2 MBit/s (NRZ-encoding) 	
Pinout Cat5 cable	1 (orange/white)	DATA+
	2 (orange)	DATA-
	3 (green/white)	NC
	4 (blue/white)	+ 12V
	5 (blue)	+ 12V
	6 (green)	NC
	7 (brown/white)	GND
	8 (brown)	GND
Power supply	9-15V DC 100mA, Polarity: Center Positive +  -- Plug: ID=2.5mm OD=5mm Length=9mm	

4. APPENDIX

4.1. Warranty

We offer a full two (2) year warranty from the date of purchase. Within this period, we repair or exchange your device free of charge in case of any defect*. If you experience any problems, please contact us first. We try hard to solve your problem as soon as possible, even after the warranty period.

* Not covered by the warranty are any damages resulting out of improper use, willful damage, normal wear-out (especially of the connectors) or connection with incompatible devices.

4.2. Manufacturer contact

Appsys ProAudio
 Rolf Eichenseher
 Bullingerstr. 63 / BK241
 CH-8004 Zürich
 Switzerland

www.appsys.ch
info@appsys.ch
 Phone: +41 43 537 28 51
 Mobile: +41 76 747 07 42

4.3. FCC Compliance

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 radio/TV technician for help

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user’s authority to operate this equipment.

4.4. Recycling



According to EU directive 2002/96/EU, electronic devices with a crossed-out dustbin may not be disposed into normal domestic waste. Please return the products back for environment-friendly recycling, we'll refund you the shipping fees.

4.5. About this document

Rev.	Changes
6	Reformatted document Added FCC compliance statement

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