

4K Ultra HD HDMI® In-line Repeater

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.

FEATURES

- Allows for two HDMI® Cables to be Coupled Together for Longer Cable Runs
- Supports HDR, Ultra HD, 4K@ 60Hz, 4:4:4 Chroma Sampling
- Supports 18Gbps Bandwidth
- Transmission: 50ft at 4Kx2K@60Hz, 4:4:4 with HDR using Certified Premium HDMI Cables (Vanco HDMICPxx series)
- Supports all 3D formats
- CEC Pass through
- HDCP 2.2 and 1.4 Compliant
- Power consumption is less than 1W, no power supply required

*PLEASE NOTE: Specifications of HDMI cables greatly affect the overall performance and range of the product. Please ensure the type, quality, and length of the HDMI cables being used are able to pass the desired specifications before connecting to the HD4KRPTR as the unit does not upscale or downscale audio-video information or quality

SPECIFICATIONS

Operating Temperature Range.....	-5 to +35 Degrees C (+23 to +95 F)
Operating Humidity Range	5 to 90% RH (No Condensation)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal.....	5 volts p-p(TTL)
Transfer Speed Rate.....	Maximum 18Gbps
Video Output	HDMI
Video Formats Supported	DTV/HDTV: 480i/576i/480P/576P/720P/1080i/1080P/, 4Kx2K@60Hz/YUV 4:4:4, 3D video support, HDR Support
Support Video Color format.....	Up to xv-YCC/deep color 36bit
Support Audio Format	DTS-HD/true-HD/LPCM7.1/AC3/DTS/DSD
Power Consumption	1 watts (Maximum)
Dimension (LxWxH).....	1.9" L x .5" H x 1" D
Net Weight	0.01KG

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. HD4KRPTR
2. User's Manual

CONNECT AND OPERATE

1. Connect the HDMI signal source device (such as STB, Bluray, etc.) into HDMI Input Port.
2. Connect the HDMI display device (such as HD TV, Projector, etc.) into HDMI Output Port
3. Power on the source and display.

ATTENTION: Insert and Extract HDMI cables gently



PANEL DESCRIPTION

1. HDMI Input
2. HDMI Output





TROUBLE-SHOOTING

1. Best results are usually achieved when the source and display resolutions are the same. If resolutions differ, the product will try to adjust the signal to match the resolution of the HDTV with the lowest resolution. This will result in a picture with a lower resolution on the other HDTV sets.
2. If you do not get audio and video, access the "setup" menu on the source or display to adjust the audio and video settings. If the HDMI control circuit cannot establish a handshake, then there usually will be no audio or video in addition to a blue or black screen with a statement similar to "this protocol not supported" or "weak signal".
3. If the above mentioned messages display, reset the communication but removing and reinserting the HDMI cables.
4. If you are still encountering issues, attempt the "hot-plug concept. With all of the HDMI cables disconnected, turn on the source and plug in the HDMI cable into it's output, then power up the Vanco unit and plug the HDMI cable into it's input, finally turn on the display and plug the HDMI cable from the receiver into it. This activates all of the devices in corresponding order and results in a signal being plugged into a device that is on and will attempt to connect the signal.
5. Most of the major source and display manufacturers employ a proprietary control channel to communicate between devices from the same manufacturer. Sometimes this can interfere with the HDMI control circuit or the authentication of the signal. Call the manufacturer if you experience this issue. Sometimes a player, an audio/video receiver, or a cable/satellite box may not have the latest software update, usually this can be downloaded from the manufacturer's website.

SAFETY AND NOTICE

The HD4KRPTTR has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the HD4KRPTTR should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit
- Do not attempt to service this unit yourself, except where explained in this manual
- Provide proper ventilation and air circulation and do not use near water
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit
- Always unplug the power to the device before cleaning

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com. When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theatre applications.

For additional information, such as helpful installation videos, glossary of terms, etc. please visit www.vanco1.com.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in

Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available

upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.