



Helping you achieve your installation needs!

Direct Connect®

is one of the largest manufacturers of products specifically for the custom installation of audio, video, security, telecom and data networking industry.

Our extensive product line

offers items in the categories of bulk wire and cable, connectors, installation hardware, interconnect cables, distribution panels, a/v transceivers, cameras, punch blocks, splitters, tools and wall plates—virtually everything a custom installer needs!

Since 1996, DirectConnect®

has offered unique products that provide solutions to everyday installation headaches. How do we come up with these ideas? By listening to you, the professional, who battles in the field and is looking for someone on the front line he can rely on.



DirectConnect®
Houston, Texas 77027
Phone 800 – 531 - 3224

*Would it make your day to know that someone is waiting to hear from you?
We are. Your DirectConnect® representative is ready to take your call.
Or if you prefer, contact us online at ...*

<http://www.directconnecthome.com>

HDMI™ Cascadable Repeater



DCREPHDMIEX .17941

**HDMI™ 1.3B VERSION CASCADABLE REPEATER W/POWER SUPPLY
USER MANUAL**



This high-performance DirectConnect® Cascadable 1.3 HDMI™ Repeater extends the length of any HDMI™ cable by regenerating the HDMI™ signal before it sends the outputs to the HDMI™ monitor or projector. This Repeater will clean out the digital noise (sparkles) in your picture. The input of the HDMI™ repeater is connected with a long HDMI™ (male to male) cable from the HDMI™ device like a DVD player or Satellite set top box with a HDMI™ output port. The HDMI™ repeater output is connected to a second HDMI™ (male to male) cable to go from the output to any HDMI™ display or projector with a HDMI™ connector. The box is placed near the display to remove any noise that has been generated by a long HDMI™ cable. The HDMI™ Repeater unit can daisy chain two cables (up to four (4) cables with four (4) HDMI™ Repeater units) together and create a longer HDMI™ extension.

- Supports HDMI™ 1.3b up to full 1080p resolutions & 36-bit deep color
- Extends the HDMI™ cable distance, between the HDMI™ sources and HDMI™ Display Devices, up to 40 meters (35 meters HDMI™ cable+ 5 meters HDMI™ cable). Daisy chain 4 units of the HDMI™ Repeater, to extend the HDMI™ cable distance up to 145 meters (35 meters x 4 + 5 meters). 475.7 feet
- Maintains beautiful and sharp HDTV resolutions up to full 1080P, 2k, 1440P graphics, plus computer resolutions up to 1920 x 1200
- Video amplifier bandwidth: 225 MHz and speed: up to 6.75Gbps
- Supports DDWG standard for HDMI™-compliant monitors & is HDCP-compliant
- Easy to install and simple to use – installs in minutes.

IMPORTANT: If you don't understand any installation instructions, please consult your regular installation specialist.

Thank you for choosing DirectConnect® Products

Dear Customer

Thank you for purchasing this DirectConnect® 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.

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Liability Statement

1. *Every effort has been made to ensure that this product is free of defects. DirectConnect® 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 of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights 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.*
2. *DirectConnect® 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.*
3. *All third-party trademarks and copyrights are recognized. The DirectConnect® logo is the registered trademark of DirectConnect®.*

IMPORTANT: If you don't understand any installation instructions, please consult your regular installation specialist

* DirectConnect® is a registered trademark.

*HDMI™ is a registered trademark

*DPL Rating™ is a registered trademark.

*UL® is as registered trademark of Underwriters Laboratories.

6.0 LIMITED WARRANTY

Should any consumer product from DirectConnect® fail due to defects in materials or workmanship within one year from the date of the original sale to the end-user, DirectConnect® guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by the customer. A copy of the invoice showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer. Units returned for repair must have a Return Authorization Number assigned by DirectConnect®.

This is a limited warranty and is not applicable for products which, in our opinion, have been damaged, altered, abused, misused, or improperly installed. DirectConnect® makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.



Thank you for choosing DirectConnect® Products

IMPORTANT: If you don't understand any installation instructions, please consult your regular installation specialist

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* DirectConnect® is a registered trademark.

*DPL Rating™ is a registered trademark.

*UL® is as registered trademark of Underwriters Laboratories.

2.0 FEATURES

This DirectConnect® HDMI™ Cascadable Repeater has many features that enable it to perform in a superior manner. Among those features you will find:

- Supports HDMI™ 1.3b up to 36-bit deep color at full 1080p and HDCP
- Allows to extend the HDMI™ cable distance, between the HDMI™ sources and HDMI™ Display Devices, up to 40 meters (35 meters HDMI™ cable+ 5 meters HDMI™ cable) 131.2 feet. Daisy chain four (4) units of the HDMI™ Repeater, to extend the HDMI™ cable distance up to 145 meters (35 meters x 4 + 5 meters). 475.7 feet total.
- Maintains highest HDMI™ single link video resolution 1080P
- Supports 35-meter (114.8 feet) HDMI™ cable at the output of the Repeater
- Maintains high-resolution video — beautiful and sharp HDTV resolutions up to 1080p, 2k, 1440p graphics, and computer resolutions up to 1920 x 1200 are easily achieved
- Video amplifier bandwidth of 225MHz and up to 6.75Gbps
- Supports DDWG standard for HDMI™-compliant monitors.
- Simple to use, and installs in minutes

3.0 PACKAGE CONTENTS

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

- DirectConnect® HDMI™ Repeater - Main unit.
- 5 Volt DC Power Adapter
- User's Manual

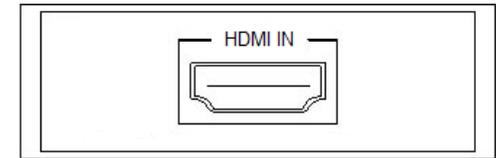
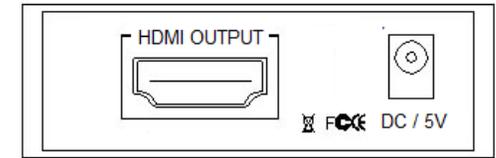
Note:

Please retain the original packing material in case you need to return the unit. If you find any items missing, contact DirectConnect® immediately (800-531-3224). Please have the model number, serial number, and invoice available for reference when you call.

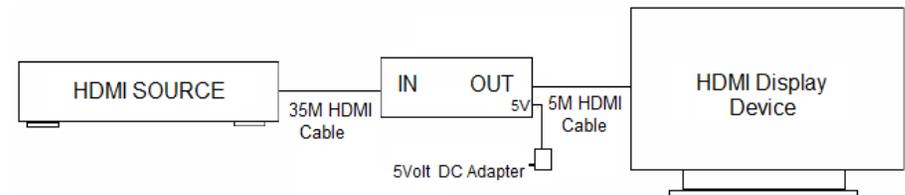
4.0 CONNECT AND OPERATE

- 1) Connect the HDMI™ device output into the DirectConnect® HDMI™ Repeater input. Then connect its output to the HDMI™ display unit. The HDMI™ device should be placed close to the HDMI™ display unit (Input cables are optional)
*Please refer to connection diagram section.
- 2) Insert the DC side of 5v power supply if more than one DirectConnect® HDMI™ Repeater unit is being used.

4.1 PANEL DESCRIPTIONS



4.2 CONNECTION DIAGRAM

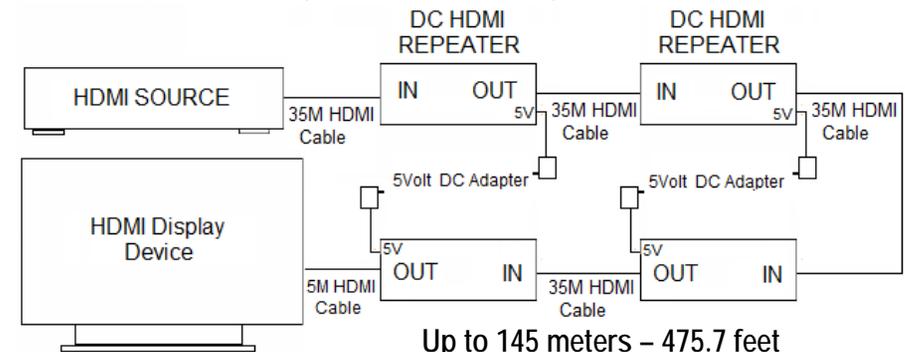


4.3 CASCADING 1.3 HDMI™ REPEATERS UP TO 145 METERS—475.7 FEET

Extend HDMI™ cable distance between HDMI™ sources and HDMI™ Display Devices up to 40 meters (131.2 feet)

35 m HDMI™ Cable (114.8 feet) + 5 m HDMI™ Cable (16.4 feet).

Daisy chain four (4) HDMI™ Repeater units to extend HDMI™ cable distance up to 145 meters (475.7 feet) . (35 meter x 4 + 5 meter)



Up to 145 meters – 475.7 feet

5.0 TROUBLESHOOTING

If this DirectConnect® product doesn't appear to be functioning, please make certain that the source and the destination device connected to the unit are functioning correctly. If other problems exist please check the conditions below carefully.

In the event of problems, first make certain that the input and output cables are no more than 114.8 feet output /16.4 feet input long (for signals up to 1080P resolution) using one (1) Repeater and are of the highest possible quality. Next, make certain that the HDMI™ is receiving power.

If all is well in these areas, remember that HDMI™ devices communicate with one another so the source devices and destination device must be fully HDMI™ capable. In addition, HDCP encryption requires additional processing which also is dependent on the equipment you have connected to the sources and destination device. If you experience problems using the HDMI™ Repeater, you should attempt to determine what is wrong by attaching each of the source devices – one at a time – directly to the destination device using the same cables you are using with the expanded system. This is a way of determining if the problem is due to bad cables or a problem with the other devices. If you are unable to obtain a signal using this simplified path, suspect the cables, the source device(s) and/or the destination device.

Without LED light	Is the power adapter connected?
No display	Is the display unit turning on? Are cables connected properly? Please refer to the connection diagram.
Without sound	<ol style="list-style-type: none"> 1) Check the display volume 2) Turn off the HDMI™ source (DVD, PS3 etc.) and power on again. If it's still not ok, then 3) Turn off the switch box and turn on again 4) Repeat step 2 again if still not working <p><i>Note: Some HDMI™ devices without ATC certified and DPL ratings may have such problems.</i></p>

DO NOT open the HDMI™ switch box. There are no user repairable parts inside. Once opened, DirectConnect® is not responsible. For other problems, please contact DirectConnect® at 800 – 531 – 3224 <http://www.directconnecthome.com>

5.1 NON-HDCP-COMPLIANT DEVICES

If a DVI device does not appear to work, make certain that the device is HDCP-compliant. A non-HDCP-compliant DVI device will not work with a signal that has HDCP encoding present.

Notice: DirectConnect® reserves the right to make changes in the hardware, packaging and/or any accompanying documentation without prior written notice.

1.0 SPECIFICATIONS



Signal Inputs/Output	
Input Video Signal	0.5-1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Signal Link Range	1920X1200, 1080P
Output Video	HDMI™ 1.3b+HDCP1.0/1.1
Video format supported	
VGA	640x480,800x600,1024x768,1920x1200
DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P
Digital Signal I/O	
HDMI™ Compliance	HDMI™ 1.3b
Operating Frequency	
Frequency	Up to 225MHz
Vertical Frequency Range	60Hz
Video Amplifier Bandwidth	6.75Gpbs/225MHz
Resolutions(HDTV)	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
Mechanical	
Size(H-W-D)	1.69" x 1.77" x 0.75" (43 x 45 x 19mm)
Weight(Net)	10.23 oz. (290 grams)
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	-49°F - 185°F (-45°C + 85°C)
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	14°F - 176°F (-10°C + 80°C)
Storage Humidity	5% to 90% RH (no condensation)
Power Requirement	
5 Volt DC Power Adapter	5V DC@1A Power Consumption: 0.5 Volt maximum
Accessories	
5 Volt DC Power Adapter	
User Manual	English Version

Note: Specifications are subject to change without notice