

HD588

Powered HDMI Repeater



Installation Guide

Important information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

See marking on back/bottom of product.

Caution: The power supply cord is used as the main disconnect device. Ensure that the socket-outlet is located/installed near the equipment and is easily accessible.

Caution: To prevent electric shock, match the wide blade of the plug to the wide slot of the electrical outlet and fully insert.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Important information

Notice to Users

The system may cause interference to a TV or radio even when it is operating properly. To determine whether the system is causing the interference, turn it off. If the interference goes away, the system is causing the interference.

NOTE: 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 needed.
- Contact your dealer for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Specifications and features are subject to change without notice. Product may vary from that shown.

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Thank you for choosing the HD588 Powered HDMI Repeater. This is a state-of-the-art HDMI solution, designed to give improved performance for HDMI connections.

Please read this installation guide carefully before use.

What's in the box

HDMI Repeater
Power Supply
Snap-On Mounting Bracket
Mounting Screws with Drywall Anchors
Piece of Velcro® Tape

Key features

- Allows longer runs of HDMI cable without signal loss
- Supports all HDMI formats, including 1080p
- Red and green indicators for easy installation

Specifications

Input	1 HDMI Type A
Output	1 HDMI Type A
Video Formats	480i, 480p, 720p, 1080i, 1080p
Computer Formats	VGA, SVGA, XGA, SXGA, UXGA
Dimensions	
without bracket	55.6(L) x 45.8(W) x 18.8(H) mm
with bracket	55.6(L) x 49.8(W) x 21.5(H) mm

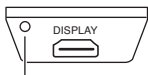
Note: Audiovox reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

Connecting the repeater



1. Attach the HDMI cable going to your digital video source (DVD Player, A/V Receiver, Satellite Receiver, etc.) to the "Source" HDMI jack on the HD588.

IMPORTANT: 24AWG cables are recommended for all connections.



Power supply jack

2. Attach the HDMI cable going to the video display (HDTV, Projector, Plasma display, etc.) to the connection on the HD588 marked "Display."

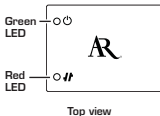
IMPORTANT: For 1080p signals, a maximum length of 15m (49ft) is recommended. For 720p, a maximum length of 40m (131ft) is recommended.

3. (Optional) If your display fails to show the image from your source, plug the provided power supply into the repeater. Then, plug the power supply into a wall outlet or surge protector.

Important: This power unit is intended to be correctly oriented in a vertical or floor mount position.

Smart LED Technology

The HD588 is a smart device and has a pair of LED indicators to let you know the HDMI cables have been connected correctly.



Top view

The Green LED indicates the connection has been made correctly and you are ready to enjoy your digital video programming.

The Red LED or no LED indicates improper connection. Reversing the cables connected to the HD588 should correct the problem.

If both LEDs remain off and you have checked that your connections are correct, this indicates a lack of power in the HDMI circuit. The table on the next page gives you a guide to what each combination of indicators mean.

Repeater Indicators

ⓘ	—/—	Status	Solution
On	Off	The repeater is working normally.	—
On	On	No cable on Display side No power on Display side Cable length too long	1. Reconnect the display device 2. Power on the display device 3. Use shorter cables
Off	On	Wrong signal direction No cable on Source side	1. Reverse cable positions on repeater 2. Reconnect the signal source
Off	Off	No power on either side No cable on either side	1. Power on both devices 2. Reconnect both devices

Cable Run Length

How far you can run HDMI cable using this repeater is dependent on the quality of the cable being used. Standard HDMI cables built with 30-28 gauge conductors will limit the usable length. The attached components will also affect the length of the cable run.

When using a well-constructed HDMI cable with better shielding and larger gauge sizes (such as many AR products), you will be able to transmit the HDMI signal longer distances without performance degradation. This length will also vary depending on the quality of the high definition component being used.

With better HDMI cables, the typical length improvement will be approximately:

- 1080p – 85 feet
- 720p – 118 feet

When installing this device, it is recommended that the cable length used on the display side be 85% shorter than the cable length used on the source side.



60-MONTH LIMITED WARRANTY

Audiovox Electronics Corporation (the "Company") warrants to the original purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 60 months from the date of original purchase, such defect(s) will be repaired or replaced (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product along with any accessories included in the original packaging is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

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