

Welcome!

Everyone at Altinex greatly appreciates your purchase of the UT260-105. We are confident that you will find it to be reliable and easy to use. If you need support, please do not hesitate to call us at 714-990-2300.

At Altinex, we are committed to developing unique and state of the art Signal Management Solutions® for demanding audiovisual installations. Welcome to the Altinex family of satisfied customers around the world!

1. Precautions and Safety Warnings

- These instructions are to ensure the reliable operation of your UT260-105 and to prevent fire and shock hazards. Please read them carefully and heed all warnings.

1.1 General

- Qualified Altinex service personnel or their authorized representatives must perform all service.

1.2 Installation Precautions

- To prevent fire or shock, do not expose this unit to water or moisture. Do not place in direct sunlight, near heaters or heat-radiating appliances, or near liquid. Exposure to direct sunlight, smoke, or steam can harm internal components.
- Handle carefully; dropping or jarring can cause damage.
- Do not pull any cables that are attached to the UT260-105.

1.3 Cleaning

- Clean with a dry cloth only. Never use strong detergents or solvents such as alcohol or thinner.

1.4 FCC Notice

- 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 2 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions found herein, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.
- Any changes or modifications to the unit not expressly approved by Altinex, Inc. could void the user's authority to operate the equipment.

2. Installation Procedures

Note: Download and read the entire online manual to become familiar with the UT260-105 and for detailed information. See the top label of the UT260-105 for control details or refer to the complete online manual.

Step 1: The enclosure may be mounted to furniture or a wall using the brackets included, or it can be attached to the back of a display using 2-sided tape or hook and latch tape.



Remove side screws. Align bracket and attach bracket using same screws.

Step 2: In order to use the brackets included, first remove the two screws on each side of the unit. Use these screws to mount the brackets to the UT260-105.

Step 3: Mount the UT260-105 to the desired surface using the appropriate fasteners; not included.

Step 4: Connect the HDMI input of the UT260-105 directly to a video source.

Step 5: Connect the CAT-5e/6/7 cable to the UT260-104 Receiver.

Step 6: Apply power to the unit using the power adapter provided. The TX can also be powered by the RX if POE is supported. Both the power adapter and POE may be connected at the same time.

Step 7: The UT260-105 is ready for use.

Step 8: The UT260-105 can pass RS-232 and IR signals to and from the receiver to control displays or sources. The label on the top of the unit shows the connection details, or you can refer to the online manual. The IR emitter and receiver may be purchased separately; emitter AC301-114 and receiver AC301-116.

Purchase the appropriate fastener to attach to a wall or furniture.

3. Warranty and Return Policies

Please visit the Altinex website at www.altinex.com for details on warranty and return policies. In the case of a unit needing repair, please complete a RMA (return material authorization) form located on the bottom left hand corner of the Altinex homepage. Once completed, please email the form to support@altinex.com.

4. Technical Specifications

Specifications are subject to change due to design improvements. Please see www.altinex.com for up to date information.

Features/Description	UT260-105
Input Connectors	
Digital Video + Audio	HDMI F, Type A
Power	DC Jack 2.5 mm F (1)
Output Connectors	
HDMI over CAT	RJ-45 F (1)
Control	
RS232	Term. Blk. 3-position (1)
IR Output (to emitter)	3.5 mm F (1)
IR Input (from sensor)	3.5 mm F (1)
Compatibility	
Digital Signal types	HDMI 1.4,3D
Signal resolution	Up to 4k x 2k
Accessories Included	
Power Supply	24V/1A Power Adapter (1)
Mounting Brackets	Right Angle (2)
Terminal Blocks	3-position, 3.5 mm (1)
Optional Accessories	
IR Emitter	AC301-114
IR Receiver	AC301-116

Table 1. UT260-105 General

Mechanical	UT260-105
Material	Steel
Color	Black
Height	0.98 in. (25 mm)
Width	2.95 in. (75 mm)
Length	4.37 in. (111 mm)
Weight	1.3 lb. (0.6 kg)
T° Operating	10°C-40°C
Humidity	60% RH non-condensing
MTBF (calc.)	38,000 hrs.

Table 2. UT260-105 Mechanical

Electrical	UT260-105
Video Input Signals	
Digital Video + Audio	HDMI Standard
Output Signals	
Digital Video + Audio on HDBT	Altinex Standard
Power	
+24VDC	500 mA, 24 W

Table 3. UT260-105 Electrical

HDMI, the HDMI Logo, and High Definition Multimedia Interfaces are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

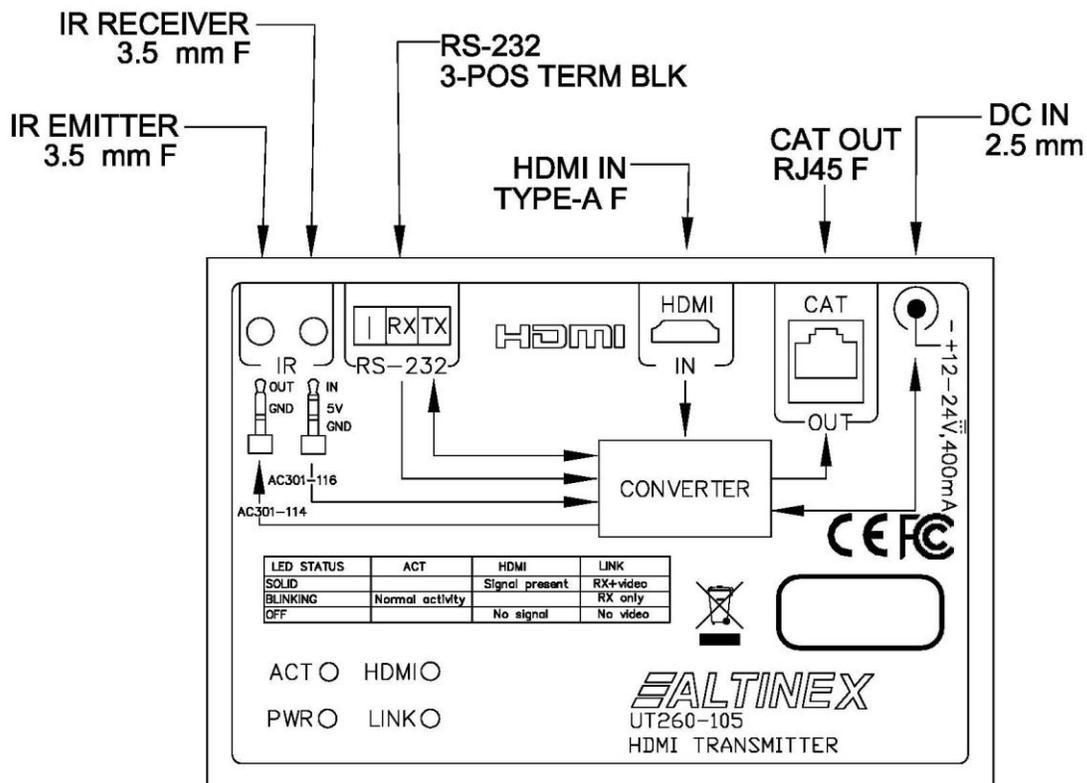
5. About Your UT260-105

- Transmit Audio/Video/Control up to 70m over one Cat 6/Cat 6A/Cat 7 cable
- Support HDMI 4k x 2K
- HDCP 1.4 compliant
- IR and RS-232 pass through
- Remote power from HDBT receiver
- Status LED on front



The UT260-105 is a high-performance HDMI transmitter with CAT output. In addition to video, the UT260-105 also allows both IR and RS232 control signals from the transmitter to the receiver, or from the receiver to the transmitter.

A power supply is included with the UT260-105, or the UT260-105 transmitter can be powered by the UT260-104 receiver when used with a direct connection between the transmitter and receiver.



6. Application Diagrams

Diagram 1: Typical Setup

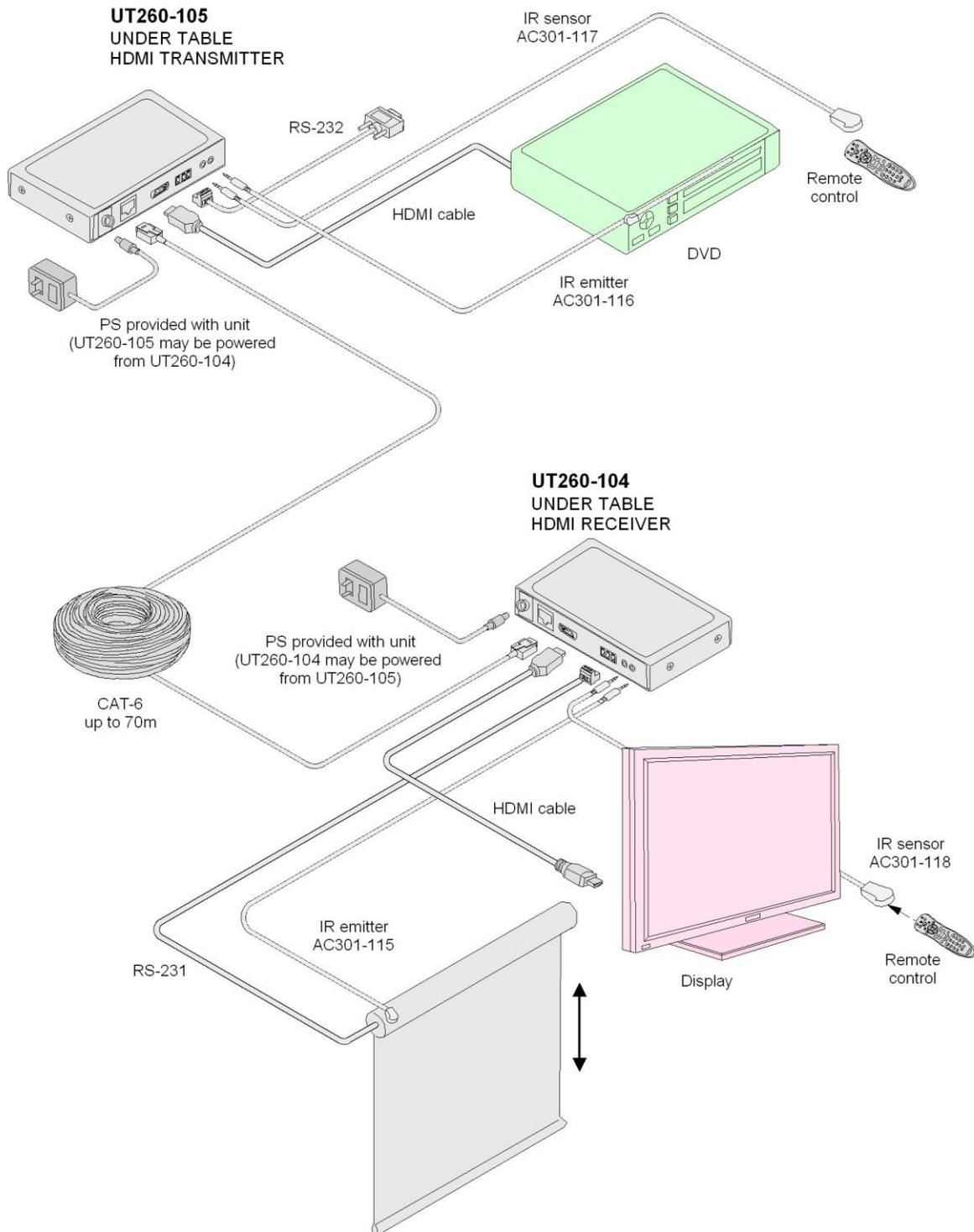


Diagram 2: Dimensions

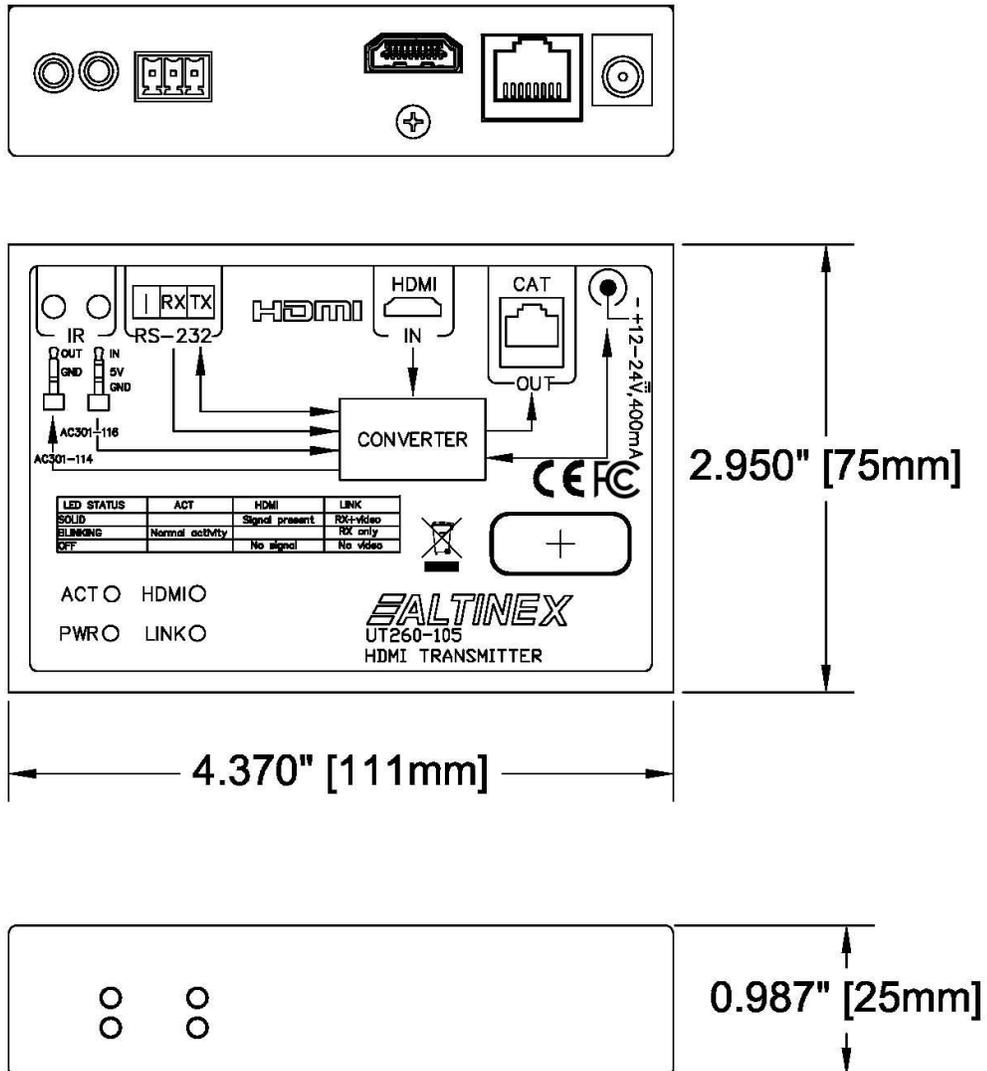
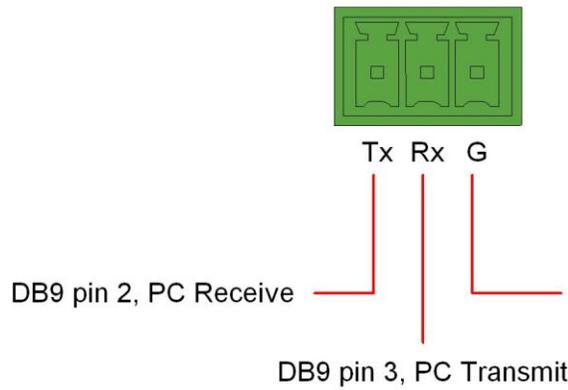


Diagram 3: RS232 Pass-Through

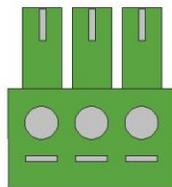
Terminal Block - Rear View

RS-232 Pass-Through



Terminal Block Connector

(provided with UT260-105)



7. Operation

Users connect their device (DVD, laptop, etc.) to the input connector/cable above the table surface connected to the UT260-105 transmitter. Their video input is automatically converted and routed to the UT260-104 Receiver where the HDMI output is displayed on the external display.

7.2 LED Indicators

The front panel has four LEDs representing the status of the TX/RX system.

7.2.1 Power

The PWR LED is on and solid red when power is present.

7.2.2 Activity

The ACT LED is blinking during normal operation. This shows activity between the transmitter and receiver.

7.2.3 HDMI

The HDMI LED is on and solid when a signal is present and the display is connected. The display must be powered and not in standby.

7.2.4 LINK

The LINK LED is blinking when connecting with the transmitter and solid on during normal operation.

7.4 Pass-through Controls

The UT260-105 provides pass-through controls for IR and/or RS232. Both can be used, but data cannot be simultaneous.

7.4.1 RS232 Pass-through

RS232 data can be passed from the transmitter to the receiver and/or from the receiver to the transmitter.

The baud rates support up through 115,200 baud. There are no settings for baud rate, as long as the device connected to the TX and the device connected to the RX are configured for the same baud rate, communication is present.

7.4.2 IR Pass-through

Use the IR pass through option to send IR remote control signals from the transmitter to the receiver or vice versa using Altinex optional accessories:

AC301-114 IR Emitter

AC301-116 IR Receiver.

8. Troubleshooting Guide

We have carefully tested and have found no problems in the supplied UT260-105. However, we would like to offer suggestions for the following:

Switcher	
Symptom	Resolution
Poor Output Image	<ol style="list-style-type: none"> 1. Verify the cable between the transmitter input and the source is a genuine HDMI cable. 2. Troubleshoot with a lower gauge, shorter distance HDMI cable.
RS232 Commands Not Recognized	<ol style="list-style-type: none"> 1. Verify you are using the correct baud rate. Remember, the transmitter and receiver use the same baud rate. 2. Make sure the receiving devices matches the baud rate from the transmitting device; typically a PC or laptop.
System Failure	<ol style="list-style-type: none"> 1. Press and hold the input select button on the front of the unit until all input LEDs flash; about 12 seconds and then release. This performs a factory reset and should restore normal operation. 2. Please call the Altinex Customer Service Department at (714) 990-2300 to have the unit repaired.

