

### Welcome!

Everyone at Altinex greatly appreciates your purchase of the UT260-041. 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 UT260-041 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 the UT260-041 in direct sunlight, near heaters or heat-radiating appliances, or near any 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 UT260-041.

### 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 UT260-041 and for detailed information.

- Step 1:** The enclosure mounts under the table using Velcro. The compact and lightweight design requires only Velcro to secure the unit in place.
- Step 2:** Connect HDMI® Input cables from the sources including all ShareTime collaborative controllers and/or retractor units.
- Step 3:** Connect the digital output directly to the HDTV.
- Step 4:** Apply power to the unit. Power can be applied through the USB port or the DC port; power adapter included.
- Step 5:** ShareTime units that are included with the UT100-041 are preconfigured; configure other controllers as described below.
- Step 6:** The UT260-041 is ready for use. Connect a ShareTime controller to a source and wait for the green LED; this is the active source. Press the touch sensor when green to de-select and display the ShareTime standby screen. Press again to re-select and become the active source. Connect another ShareTime controller to an HDMI source and it will take over control.

#### ShareTime Configuration (ST100-001, RT300-101, and CB300-101)

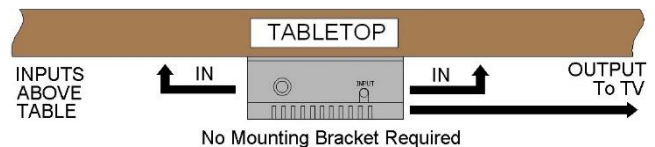
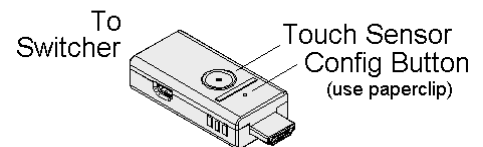
Download the online manual for individual ShareTime units for details on operation and configuration.

ShareTime units purchased separately must be connected to the switcher and an HDMI source then configured as follows:

Enable de-select: Press & hold the CONFIG button until the LED turns RED. Release and wait for ShareTime restart.

Disable detection: Press & hold the TOUCH sensor until the LED turns YELLOW. Release and wait for ShareTime restart.

### ShareTime Above Table



## 3. Warranty and Return Policies

Please visit the ALTINEX website at [www.altinex.com](http://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](mailto:support@altinex.com).

## 4. Technical Specifications

Specifications are subject to change due to design improvements. Please see [www.altinex.com](http://www.altinex.com) for up to date information.

| Features/Description                | UT260-041               |
|-------------------------------------|-------------------------|
| Input Connectors                    |                         |
| Digital Video + Audio               | HDMI F, Type A (4)      |
| Power                               | DC Jack 2.5 mm F (1)    |
| USB Power                           | Mini USB 2.0 Type B (1) |
| Output Connectors                   |                         |
| Digital Video + Audio               | HDMI F, Type A (1)      |
| Digital Audio                       | Coaxial RCA (1)         |
| Compatibility                       |                         |
| Signal types                        | HDMI                    |
| Signal resolution                   | Resolutions up to 1080p |
| Accessories Included                |                         |
| Power Supply                        | 5V/1A Power Adapter     |
| Mounting Hardware                   | Velcro straps           |
| Remote Control                      | CR-88*A                 |
| Accessories Included with UT100-041 |                         |
| Collaborative Control HDMI Cable    | CB300-101               |
| Optional Accessories                |                         |
| Collaborative Control Adapter       | ST100-001               |
| Digital Scaler                      | VP500-102               |
| Retractable HDMI Control Adapter    | RT300-101               |
| Retractable HDMI Cable              | RT300-125               |
| Collaborative Control HDMI Cable    | CB300-101*              |

Table 1. UT260-041 General

\* Included with UT100-041.

| Mechanical   | UT260-041             |
|--------------|-----------------------|
| Material     | Plastic               |
| Color        | White                 |
| Height       | 1.34 in (34.04 mm)    |
| Width        | 3.35 in (85.09 mm)    |
| Depth        | 3.35 in (85.09 mm)    |
| Weight       | 0.20 lbs.(0.090 kg)   |
| T° Operating | 10°C-40°C             |
| Humidity     | 60% RH non-condensing |
| MTBF (calc.) | 38,000 hrs.           |

Table 2. UT260-041 Mechanical

| Electrical             | UT260-041              |
|------------------------|------------------------|
| Video Input Signals    |                        |
| Digital Video + Audio  | HDMI Standard          |
| Video Output Signals   |                        |
| Digital Video + Audio  | HDMI Standard          |
| Digital Audio          | 2 Ch PCM with ARC only |
| Power                  |                        |
| +5V                    | 4W                     |
| Remote Control Battery | C2025 3V               |

Table 3. UT260-041 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 UT260-041

- Easy collaboration with ShareTime.
- 4 HDMI inputs, 1 HDMI output.
- HDMI and HDCP compliant.
- Simple setup and operation.
- Automatically powers CEC displays on and off (using ShareTime controllers)
- Auto-switch to new signals



The UT260-041 Switcher is a high performance four-input and one-output High-Definition Multimedia Interface (HDMI) switcher with HDCP repeater functions along with fast switching between HDMI input ports. The system supports all 3D TV formats in addition to all HDTV formats up to 1080p 12-bit Deep Color. The included remote control gives users complete control over the selection of sources and makes the device incredibly user friendly with the on-screen display. A power supply is included, but the UT260-041 may also be powered through the USB mini port. The OSD can be accessed via the remote or the OSD button on the switcher chassis. The switcher is controlled four ways: input select button on chassis, remote control, ShareTime collaboration controllers, and auto-switch to a newly connected signal.

The auto-switch feature automatically tells the switcher to connect the newest input connected. Any ShareTime units connected to the switcher automatically update to indicate they are no longer the active source. This feature only applies to newly connected signals. Once a signal is present on the switcher input, it requires a ShareTime unit, remote control, or switcher button to change inputs.

UT100-041 is a collaboration package that includes four CB300-101 HDMI ShareTime Cables and one UT260-041 HDMI 4x1 switcher. The UT100-041 enables shared control of multiple inputs on a single monitor for collaboration or video sharing.

Included with the UT100-041 are four CB300-101 HDMI ShareTime Cables enables up to four users to connect to one display and work together as they seamlessly switch between multiple sources providing collaborative teamwork and cable organization. The HDMI cable contains a built-in amplifier to maintain HDMI signal integrity. If the monitor is in stand-by mode, the CB300-101 will automatically turn it on and select the proper input to assure that the image is properly displayed. The last CB300-101 disconnected from HDMI source turns off the display after a pre-configured shut down timeout.

### 6. Application Diagrams

Diagram 1: Typical Setup

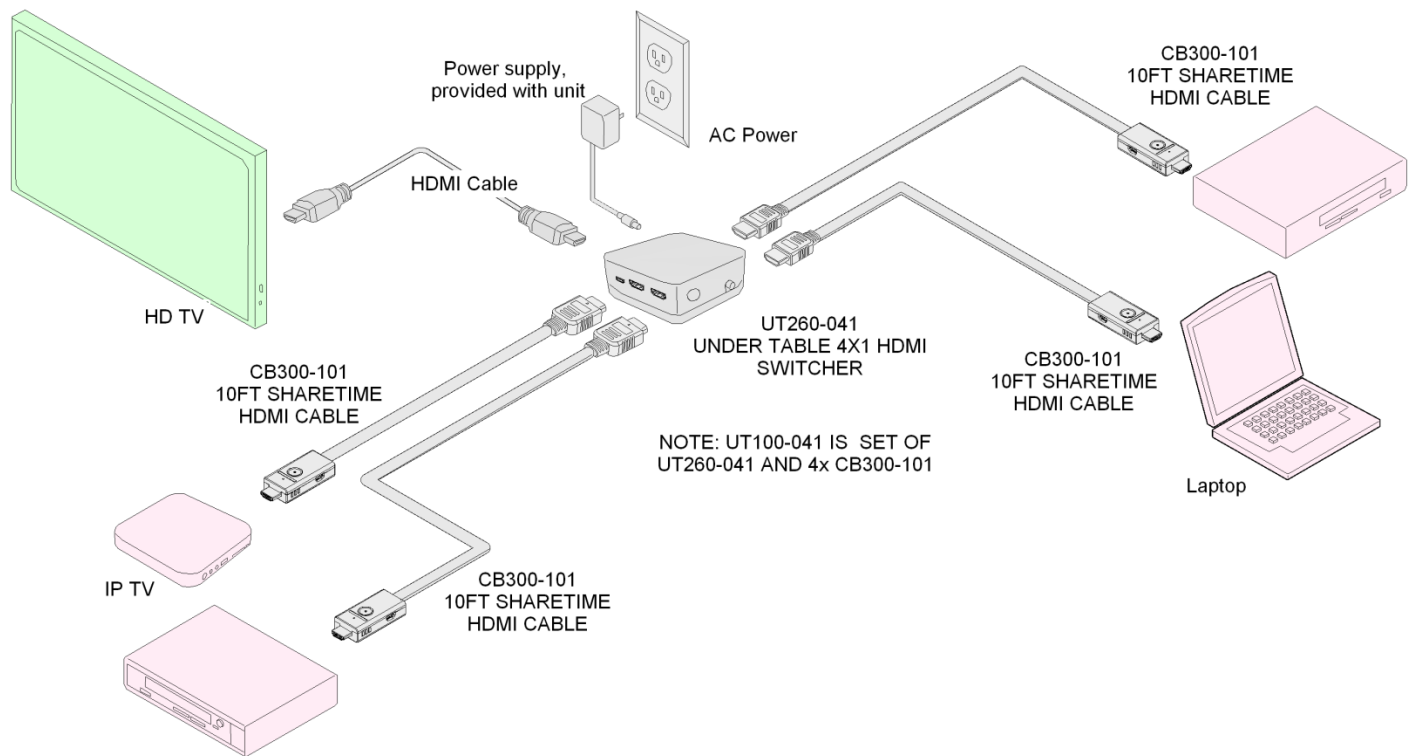
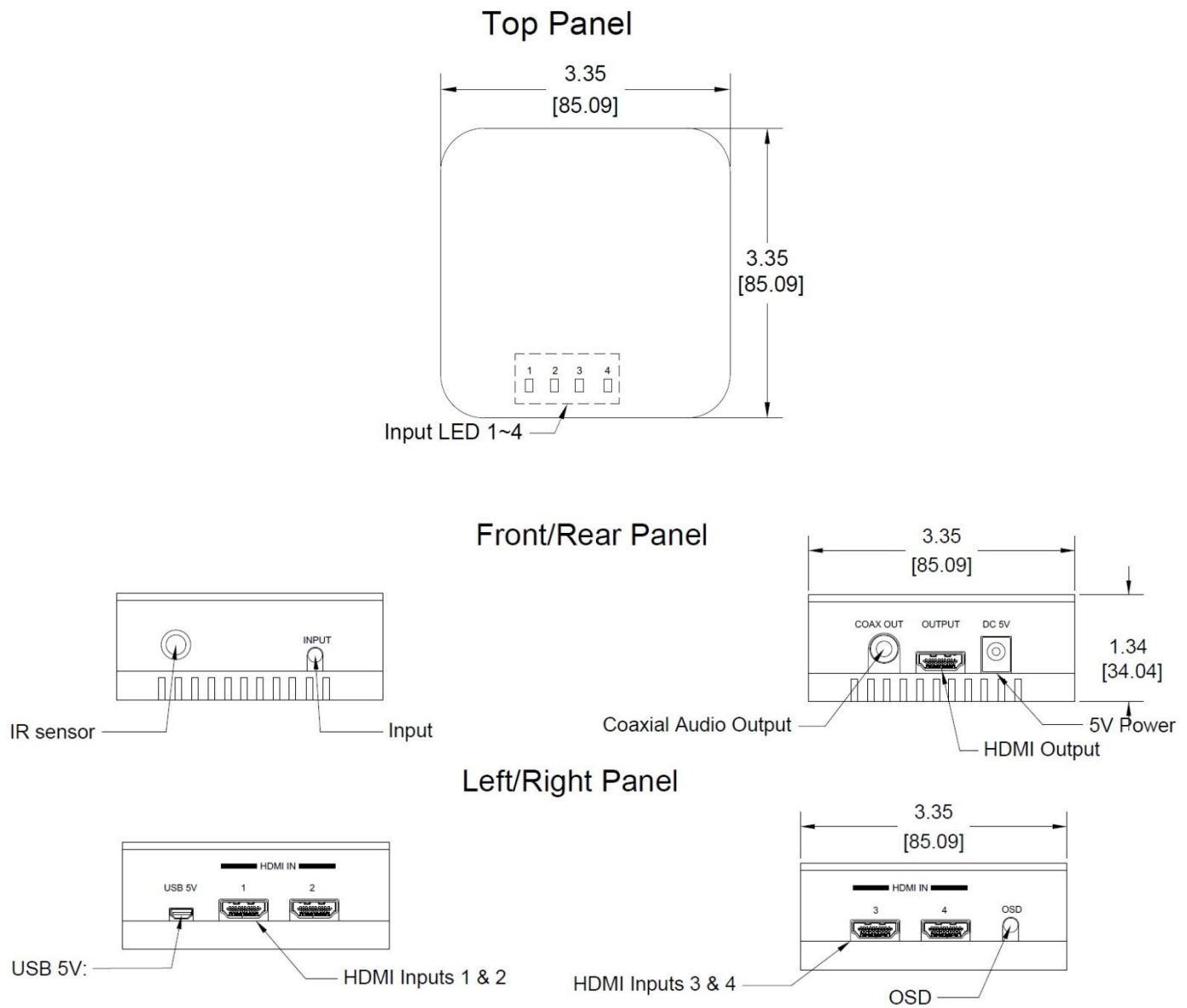


Diagram 2: Dimensions



## 7. Operation

Users connect their device (phone, laptop, etc.) to one of the input cables above the table surface. Their video input is selected using any combination of ShareTime collaborative controllers, input select button found on the side of the unit, or the remote control included. Additionally, the auto-switch feature automatically switches to a newly applied signal. If there are no active sources; the ShareTime standby screen displays until an input is selected. Listed below in more detail are the methods of input selection.

### 7.1 Input Selection

#### 7.1.1 ShareTime Collaboration Controllers

The UT260-041 can be combined with the ShareTime product line from Altinex to create a compact switcher solution. Simply connect the ShareTime controller to a video source. The ShareTime controller automatically instructs the switcher to switch to its input. This input is now displayed on the screen; the ShareTime LED is green indicating it is the active source.

Touch the round sensor interface on the ShareTime controller and the ShareTime LED turns white indicating it is no longer the active source and the UT260-041 displays the ShareTime standby image on the screen. Touch the sensor a second time to retake control of the presentation.

Multiple users can control the system interactively using the ShareTime controllers. The first user makes a presentation with the ShareTime LED green. A second user takes over by touching their ShareTime controller, while the first user remains connected. The first user sees their LED turn white and the second user's turns green and their image is displayed. This collaboration takes place over and over until the meeting or presentation is complete.

At the end of a meeting or presentation, the user can force the display and other ShareTime units off by pressing and holding the touch sensor until the LED turns solid red. The ShareTime unit tells the TV and other ShareTime units to power off.

ShareTime Collaboration Controllers must be configured with TV detection disabled and the deselect option enabled.

Disable TV detection as follows:

- Press and hold the circular touch button down for 11 seconds until the LED turns yellow.
- Release while yellow to disable TV detection.
- The LED remains yellow after release to confirm selection and then the unit resets.

Enable the de-select option as follows:

- Use a paperclip to insert in the hole above the touch sensor location.
- Press and hold the Configuration button until the LED turns red.
- Release while red to enable de-select option.
- The LED remains red after release to confirm selection and then the unit resets.

The displays must be CEC compatible as they require CEC communication to do CEC functions such as switch inputs as well as TV off and on from standby mode. UT100-041 is collaboration package that includes four CB300-101 HDMI ShareTime Cables and one UT260-041 HDMI 4x1 switcher.

#### 7.1.2 Input Select Button

On the side of the switcher is a grey button that cycles through the 4 inputs. This button is provided for testing the unit during installation and is not intended to be accessible to the user.

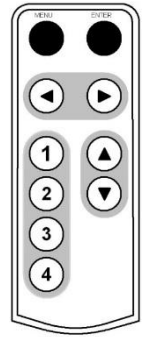


## 7.1.3 Remote Control

A remote control is provided for installations where it is not practical for direct cable control. For best results, have a direct line of sight for the remote IR signal to reach the IR receiver on the switcher or use an IR extender.

Access to the main menu displays the system information. The ARC feature can be enabled or disabled as well. Following are the main remote control functions:

- 1, 2, 3, 4:** Press to select input port. If no signal is present on the input, the ShareTime standby screen is displayed.\*
- Menu:** Press to enter into menu selection, an OSD will appear from the menu
- ▲▶▼◀:** Use these buttons to select/adjust OSD menu's objects.
- Enter:** Press to confirm a selection.



### OSD menu

Press the OSD button from the device or MENU button from the remote control to bring up the OSD on the display

Press [▲|▼] to highlight an option

Press [◀|▶] to select the option

Press [ENTER] to confirm /exit the selection



## 7.2 ShareTime Controller Configuration Options (options in **BOLD** are required)

TOUCH sensor behavior (times are approximate):

| Action              | LED           | Upon Release                          |
|---------------------|---------------|---------------------------------------|
| Touch and Release   | Green         | Set as active source.                 |
| Hold +3 sec         | Flash Red     | Return to normal operation            |
| Hold +5 sec         | Red           | Turn off TV and ShareTime Controllers |
| Hold +8 sec         | Blue          | Enable TV detection and reset         |
| <b>Hold +11 sec</b> | <b>Yellow</b> | <b>Disable TV detection and reset</b> |
| Hold +14 sec        | Off           | Return to normal operation            |

CONFIGURATION button behavior (times are approximate):

| Action            | LED        | Upon Release  |
|-------------------|------------|---|
| Press & Release   | ON         | The LED starts flashing to allow TV off time selection. Press when flashing to set shutdown timeout:<br>Pink = Never   Green = 30 sec   Blue = 1 min<br>Yellow = 2 min   Cyan = 5 min |
| Hold 2 sec        | Blue       | Flash version number of times; color varies by version.   |
| Hold 4 sec        | Yellow     | Flash the physical address. Physical address = A.B.C.D.<br>A=blue, B=red, C=green, D=yellow   |
| Hold 6 sec        | Cyan       | Test the CEC IN circuit. The LED flashes green 3 times indicating the circuit is working; red if there is a failure.  |
| <b>Hold 8 sec</b> | <b>Red</b> | <b>Set select plus de-select operation then reset.</b>  |
| Hold 10 sec       | Magenta    | Set for active operation only; no de-select.  |
| Hold 12 sec       | OFF        | Return to normal operation; no changes.   |

### 8. Troubleshooting Guide

We have carefully tested and have found no problems in the supplied UT260-041. However, we would like to offer suggestions for the following:

| Switcher                              |   |
|---------------------------------------|---|
| Symptom                               | Resolution  |
| ShareTime Controllers do not deselect | Press and hold the configuration button with a paperclip for 8 seconds until LED turns a solid RED and release. Upon release, deselect will be enabled and the ShareTime unit will reset. |
| Poor Output Image                     | Troubleshoot with a lower gauge shorter distance HDMI cable.  |
| TV won't turn off                     | Make sure it is CEC compatible. Display may need CEC to be enabled.   |
| System Failure                        | Please call the ALTINEX Customer Service Department at (714) 990-2300 to have the unit repaired.  |