



## Features

- Receives audio and video on a single CATx cable
- Adjustable cable length compensation to 1000 ft
- Digitally controlled adjustment eliminates tweaking pots
- Supports resolutions up to 1920x1200 at any refresh rate
- Differential signaling eliminates ground loops and noise
- Compact & rugged metal enclosure with mounting holes
- No software required for setup and use
- The RXURA-SKU features RGB skew correction

## Description

The RXURA-SKU is a Video and Audio over UTP (Cat5/5e/6) receiver. The RXURA-SKU can receive Video and Audio from compatible TXUVA transmitters up to 1,000 feet away. The RXURA-SKU supports resolutions up to 1920 x 1200 at 60Hz. The RXURA-SKU can fully compensate for both high-frequency signal attenuation and color skew in long UTP cables. This product includes universal power supply and is made in the USA.

**This receiver must be used with the TXUVA transmitter**

## Important note about use with YPbPr signal

Using the standard RXURA-SKU with Component Video can produce excessive brightness and contrast. Therefore, this unit is not recommended for use with Component Video (YPbPr). Component Video signal is not as sensitive to twisted-pair skew since the Y signal has all of edge and brightness information. For distances up to 500 ft, a standard lower cost URA can be used with excellent results.

If you would like to have skew compensation for your YPbPr signal, please ask about the model URA-SKU-CP. The cost is the same and the unit is identical in every way except it is optimized for Component Video signal levels.

## Specifications

|                     |   |
|---------------------|---|
| Video Gain:         | Unity   |
| Video Standards:    | VGA through UXGA, RGBHV, RGBS, RGSB, RsGsBs,<br>Component Video (bi-/tri-level sync)  |
| Connectors:         | (1) RJ-45 Female (CATx Input)<br>(1) HD15 Female (Video Output)<br>(1) 3.5mm Female (Audio Output)<br>(1) 2.1mm Female (Power Input)                  |
| Nominal Amplitude:  | 1 V p-p for Y of component video<br>0.7 V p-p for RGB and for Pr and Pb of component video<br>4.0 V to 5.0 V p-p, for TTL Sync signals of RGBHV, RGBS |
| Impedance:          | 75 ohms   |
| Skew Compensation:  | 65 nS   |
| Resolution:         | Up to 1920x1200 non-interlaced at 60Hz  |
| Max Distance:       | Up to 1000 feet depending on resolution   |
| Audio Gain:         | Unbalanced output: 0 dB   |
| Frequency Response: | 20hz to 20kHz, +/- 1 dB   |
| Audio Type:         | Monaural, Simulated Stereo (L+R)  |
| THD + Noise:        | 0.2% @ 1kHz, 0.3% @ 20kHz at nominal level  |
| Recommended Cable:  | CAT 5/5e/6 (shielded or unshielded) for URA-XT and URA-SKU  |
| Power Supply:       | 100 VAC to 240 VAC, 50-60 Hz, external; 5 VDC, 2A regulated; 2.1mm  |
| Temperature:        | Storage: -40 to +158 degF (-40 to +70 degC) / 10% to 90%, non-condensing<br>Operating: +32 to +122 degF (0 to +50 degC) / 10% to 90%, non-condensing  |
| Cooling:            | Convection, vents on each end   |
| Mounting:           | Brackets at each end with screw hole provided for Wall or Rack mounting   |
| Enclosure:          | Metal   |
| Dimensions:         | 1.18" H x 2.75" W x 3.85" D<br>(30mm H x 70mm W x 98mm D) Depth excludes connectors   |
| Weight:             | Product - 0.75 lb (0.35 kg)   |
| Vibration:          | ISTA 1A in carton (International Safe Transit Association)  |
| EMI/EMC:            | CE/FCC Class A  |
| MTBF:               | 90,000 hours  |
| Warranty:           | 2 years parts and labor   |

### Powering up TXUVA with one power supply

- It is important to note that the TXUVA can be powered from the source (through the VGA cable) without the need to connect an external power source. Almost all VESA compliant sources should have enough power to run the unit, and there is a power LED indicator on the front of the wall plate to show the power status.
- The TXUVA comes with a small power supply that can get wired to the wall plate and connected to the screw terminals on the rear of the circuit board as shown to the right.
- The wiring to this screw terminal is low voltage and no special requirements are needed (check with your local wiring code), but the power supply itself needs AC input so it either needs to be located outside the wall and wired to the screw terminal, or in an electrical junction box in the wall or ceiling to meet electrical code.



- Many installers run a separate cable (two wire extension of 20 gauge or thicker) alongside the UTP cable so the power supply can be located at the remote end where the URA receiver is located.
- It is also possible to use the 5v power supply that comes with the URA to power both the URA and the wall plate in the same manner.

To do that, a 2.1mm Power splitter cable would be required as shown below. These are commercially available.



- We also recommend using commercially available 2.1mm female to screw terminal adapter (as shown below) to plug to one end of the power splitter cable.

