

# Stereo Encoder/Decoder Injects or Extracts Stereo Audio

Use the Ultra Series ST1 Sound Encoder/Decoder to add a stereo audio source to a Just Add Power system, or to extract stereo audio from an existing system source.

Thanks to our unmatched scalability this audio-only device works seamlessly with all Just Add Power product lines: Maxcolor (4k60), Ultra (4K30), and Omega (1080p).



Combine Just Add Power Encoders, Decoders, and the ST1 in the same installation. You can watch the big game while listening to radio commentary, give a presentation by mixing PC video with microphone audio, or even add audio return channel from a SmartTV.

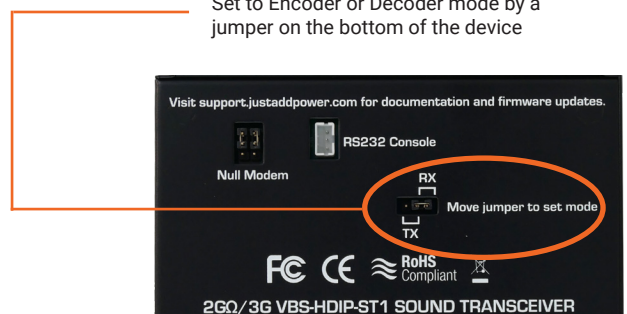
## Features

<b>Integrated Endpoint Control</b>	Control endpoints with RS232 & IR
<b>Scalability</b>	Fully compatible with all Ultra and Omega devices
<b>Stereo Audio</b>	<p>Stereo audio with variable audio -46.5dB to +12dB</p> <p>Input stereo audio to play on any other Decoder</p> <p>Output stereo audio from any other Encoder</p>

### Encoder/Decoder

Audio Input – Encoder Mode  
 Audio Output – Decoder Mode

Set to Encoder or Decoder mode by a jumper on the bottom of the device



# OMEGA/ULTRA/MAXCOLOR Series

## ST1 (VBS-HDIP-ST1)

Just Add  
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### Audio

**Supported Audio** Stereo Audio

**Stereo Audio  
Maximum Sample  
Rate** 192kHz/24-bit

### Network

**Maximum Bandwidth** 500 Mbps

**Average Bandwidth** 180-500 Mbps

**Video Codec** Proprietary AGIC-G1 Visually Lossless

**Audio Codec** Proprietary I2S Lossless

**Encryption** AES-128 Hardware Based Crypto Engine

### ST1 Specifications

**Dimensions** 121 x 30 x 125 mm  
4.8 x 1.2 x 4.9 inch

**Weight** 0.30 kg / 0.66 lb

**Rear Side Ports** RJ-45 (1Gb Network)  
3.5mm 2-Way RS232  
3.5mm Stereo In/Out

**Power Supply** 5V-18V, 10W  
5.5mm/2.1mm, positive tip

**Operating Temp** 0-60 °C / 32-140 °F

**Device Type** Decoder/Encoder

**POE** IEEE 802.3af (15.4W)  
Maximum 10 Watts

**Series Compatibility** Maxcolor, Ultra, and Omega

**Volume Adjustment** -46.5dB to +12dB

**Release Date** December 2020

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## Front of Device:



All measurements in millimeters (mm)

## Back of Device:



All measurements in millimeters (mm)

## Bottom of Device:



All measurements in millimeters (mm)

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## Need product images for your marketing?

Check out our Sales Partner Resource Page!  
[www.justaddpower.com/sales-partner-resources/](http://www.justaddpower.com/sales-partner-resources/)

