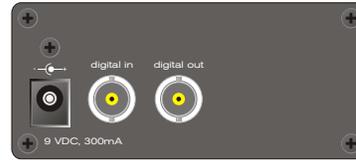
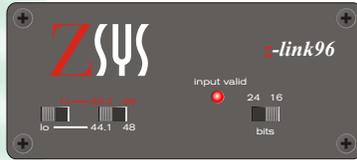


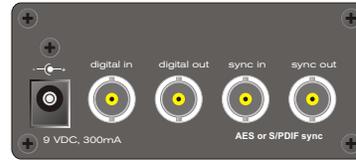
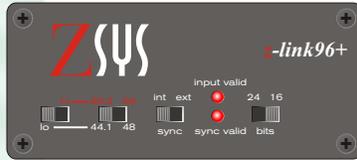


z-link96 and z-link96+ mini sample rate converters

low-cost sample rate conversion



rear view of z-link96



rear view of z-link96+

FEATURES

- Real-time sample rate conversion
- Supports up to 24 bits at 96 kHz
- Low-jitter internal references
- Externally synchronizable via AES11 sync (z-link96+ only)
- Output wordwidth control

APPLICATIONS

- Mastering
- DAT-to-CD transfer
- Varispeed transfer
- Broadcast
- 0.1% rate changes for audio-for-video (z-link96+ only)
- Wordlength reduction

SPECIFICATIONS

- Coaxial S/PDIF inputs and outputs (can be terminated to AES/EBU specs, XLR-to-coaxial pigtailed also available)
- 24- and 16-bit output modes via TPDF dither
- Handles input and outputs at up to 24 bits between 32 kHz and 96 kHz
- Better than -115 dB THD+N
- Better than 120 dB dynamic range
- Standard rate conversions via internal references, odd rate conversions via external sync
- measures only 3.5"x5"x1.5"

Ever since we first produced the z-1src back in 1993, Z-Systems has been synonymous with sample rate conversion. We've been making sample rate conversion products for nearly a decade now and we pride ourselves on offering world-class sample rate converters for a reasonable price.

Our approach to sample rate conversion is simple: rather than build an expensive synchronous converter based on a custom DSP solution, we use the finest asynchronous sample rate conversion chips*. At this time, the best asynchronous converters yield results which are practically indistinguishable from the best synchronous converters. The benefit to the end-user is a much less expensive sample rate converter.

The z-link96 and z-link96+ are miniature variants of our flagship z-3src. Both the z-link96 and z-link96+ boast identical audio performance to the z-3src, with the only significant differences being the deletion of a few features in order to house the units in small packages*.

Both the z-link96 and z-link96+ can accept inputs between 32 kHz and 96 kHz at up to 24 bits and can output 44.1 kHz, 48 kHz, 88.2 kHz, and 96 kHz referenced to low-jitter internal oscillators. For other output sample rates, you'll need to use the z-link96+ and lock the unit's sync input an external AES11 sync reference. Furthermore, the z-link96+ features a sync output so that multiple z-link96+ units can be chained together for multiple channels of sample rate conversion relative to the same sync reference. Both the z-link96 and z-link96+ also feature an output wordwidth control, which allows you to apply TPDF dither and produce output wordwidths of 16 or 24 bits.

Whether you're doing high-resolution mastering, audio for video, or broadcast, the z-link96 and z-link96+ offer phenomenal performance at a price that's hard to beat. Put our expertise to the test – you won't be disappointed.

* Because of panel-space restrictions, the z-link96 and z-link96+ are equipped with coaxial input and output connectors. For a nominal additional fee, we can terminate the coaxial inputs and/or outputs to AES/EBU specifications and provide you with coaxial-to-XLR "pigtail" cables.

**Although the same chip sets are available to all manufacturers, there's considerably more to designing a good sample rate converter than merely stuffing chips in a board and hoping for the best. To get the best results, an intimate knowledge of mixed-signal (hybrid analog/digital) design is critical. This is because asynchronous SRC chips are notoriously fussy about the componentry and layout surrounding them.

Z-Systems Audio Engineering

4641-F NW 6th Street Gainesville, FL 32609

(tel) 352.371.0990 • (fax) 352.371.0093 • info@z-sys.com • www.z-sys.com