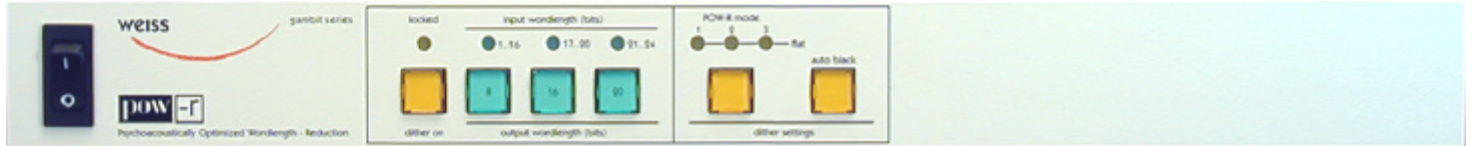


gambit series POW-R

psychoacoustically optimized wordlength reduction



The Weiss Gambit Series POW-R

POW-R is a unique, patent-applied-for algorithm, which reduces longer word lengths (20, 24, even up to 32 bits), to CD standard 16-bit format while retaining a high degree of perceived dynamic efficiency and very low noise. POW-R is ready for all sample rates from 44.1kHz to 192 kHz, and beyond.

Several leading pro audio companies have entered into licensing agreements with the Consortium while many others are now in licensing discussions. Licensees include: Sadie, Sonic Solutions, Digi-Design, Emagic etc.

Weiss POW-R

Weiss Engineering offers the POW-R algorithm in the Gambit Series *POW-R*. It will accept an input wordlength of 24bit and sampling frequencies from 44.1kHz up to 96kHz. The POW-R set consists of three algorithms, including noiseshaped dither and nyquist dither. Also included in the POW-R unit is white noise dither for comparison. The output wordlength is selectable from 8bit (for auditioning), 16bit, 20bit and 24bit.

“This process is the closest thing to perfection that I have heard to date.”

**Glenn Meadows,
Audio Media**

“If you want to make the best sounding 16-bit product in the world, this box is the top contender.”

**Bob Katz,
Pro Audio Review**

POW-R

- Auto detection and display of input wordlength
- Lock LED to indicate valid AES/EBU signals
- Selection of output wordlength with large, backlit push buttons
- Supported sampling frequencies: 44.1 / 48 / 88.2 / 96 kHz
- Input wordlength up to 24bit
- Output wordlengths: 8bit, 16bit, 20bit
- Bit transparent if no dither is applied
- 24bit I/O on single wire AES/EBU interfaces
- Selectable autoblackening for dither: mutes dither if no signal present
- 40bit floating point digital signal processing

Examples of 24bit sine wave dithered to 16bit using the three POW-R algorithms.

