Eventide BD960 *AutoFill* Broadcast Delay
Preliminary Data Sheet

We admit it! We didn't invent cursing. We didn't invent slander. And certainly the FCC wasn't our idea! Yet put the three together and your station can have big trouble! What we DID invent is the "big trouble eliminator," the broadcast obscenity delay.

The new Eventide® BD960 is the latest in our innovative line of obscenity delays. It replaces our world-standard (but discontinued) BD941/BD942 series. Why replace a standard? Read from its data sheet:

> Here's how it works. OK, you're on the air, and someone has just opened his or her big mouth a little too wide. Hit the Delete button, and the show is instantly in real time: The obscene caller or out-of-control studio guest never reaches the air. The Delete function also closes a relay contact. With an easily built relay box, this can automatically start a six (or three or twelve) second cart - a short program promo, a station ID, a funny "zapper," anything you want. When the delay period "plays out," your delay switches you back "almost live" on the air with full delay protection restored. The whole operation takes just one button. What could be simpler?

What could be simpler, indeed! How about "no need for an easily built relay box or filler cart"?

With the BD960, you need no relay, no filler cart - because filler playback is built into the unit! The BD960 *AutoFill*™ Broadcast Delay has a built-in memory to store material to use to fill those embarrassing silences while the delay period is regained. Since the memory is non-volatile, you don't have to worry about losing it in a power failure; since it's fully electronic, you don't have to worry about loss of quality as it gets played and played and played. And, perhaps best of all, since it doesn't add to the cost of the unit, you don't have to justify paying extra for the feature!

Some choices you <u>don't</u> have to make…

Previous BD900-series models required you to specify mono or stereo and the delay length at the time of ordering. But you don't have to make these choices with the BD960. ALL units are stereo, ALL have a maximum delay of eight seconds, adjustable to any value up to the maximum.

And with the low cost of the BD960, you don't need to choose whether to run unprotected on incidental programs, remotes, or on other occasions. Sure, if you're a heavy talk station, you will probably want our world-standard BD500 delay with its patented "catch up" feature and ability to unobtrusively build up delay with no program interruption. But any station that *ever* plans a live call-in or even slightly risky in-studio guest will benefit from having a BD960 delay unit in its protective arsenal.

You can't say that on the radio…

But people who *know* that sometimes slip, and many enjoy testing limits. Recent changes and decisions at the FCC have made it more risky than ever to be risqué, and libel lawsuits and penalties in the U.S. and other countries can be more costly than FCC fines. With its spectacular audio specifications, the BD960 lets you control these risks with maximum convenience for you and transparency for your listeners.

Eventide BD960 *AutoFill* Broadcast Delay
Specifications*

INPUT CHARACTERISTICS

Audio Input Connectors	2 XLR female balanced line.
Input Impedance	10K ohms bridging.
Input Level	-6 dBm to +25 dBm, adjustable +/- 10dB

OUTPUT CHARACTERISTICS

Audio Output Connectors	2 XLR male balanced line.
Output Impedance	Less than 50 ohms, balanced, for driving 600 ohm load
Output Drive	Output amplifier clipping level > +25dBm

A/D & DIGITAL SIGNAL PATH CHARACTERISTICS

A/D/A Conversion	24-Bit
Dynamic Range	>100dB
Sampling Rate	48KHz
Frequency Response	10Hz – 22KHz +/- 1dB
Crosstalk	< -95dB
THD/N	< 0.008%

RECORDED SIGNAL ("filler cart") SPECIFICATIONS

Length	Up to 8 seconds stereo
Dynamic Range	>100dB
Sampling Rate	24KHz
Frequency Response	10Hz–11KHz +/- 1dB
THD/N	< 0.005%

OPERATING CONTROLS & INDICATORS

Controls	POWER, LEVEL up/down, BYPASS, DELETE, RECORD,
Indicators	POWER, Dual 8-LED LEVEL bargraphs, BYPASSED, DELETE, RECORD, DELAY

REMOTE CONTROL CONNECTORS & SIGNALS

Delete Relay	2 N/O relay contacts that close during DELETE.
Remote Jack	Allows external contact closure to ground to cause DELETE and BYPASS
RS232	Allows simple remote control from a PC or other computer.

MECHANICAL & ELECTRICAL CHARACTERISTICS

Width	Standard 19" (48.26cm) rack
Height	Standard 1 u (1-3/4"/ 4.44cm) rack mount
Depth Behind Panel	10.5"/26.67cm excluding connectors
Temperature Range	40 – 120 deg F (5 – 49 C)
Power Requirement	Less than 25 watts, 100 – 240 volts universal power supply

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Need even more capabilities? Eventide's top-of-the-line talk show delay, the BD500, is designed to meet all your needs. It's the one with the automatic catch-up which lets the program continue seamlessly while it rebuilds the delay by electronically and imperceptibly adding time. The BD500 protects against multiple instances of "bad words" by splitting the total delay into several different segments which can be successively "dumped." The BD500 also features both analog and digital I/O, which makes it the perfect choice for operation with digital consoles, or for studios that may be refitted for digital audio in the future. The Eventide BD500 can accommodate network cue tones and has sophisticated remote control options. For more information on the entire range of Eventide broadcast delays, go to www.eventide.com.

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