

AirTools™

6000 BROADCAST AUDIO DELAY



The Airtools 6000 Broadcast Audio Delay.

A 24-bit digital delay unit for live broadcast that makes it easy and affordable to prevent unwanted profanity or comments from reaching your airwaves.

Engineered by Symetrix with advanced delay technology, the AirTools 6000 offers up to 40 seconds of user-definable delay at a full 20 kHz range of stereo bandwidth. Carrying a very competitive price tag, the AirTools 6000 brings world-class profanity delay within the reach of any broadcaster. When the show begins, press START. The AirTools 6000 begins digitally time-stretching your program, creating the reaction

window you specify – up to 40 seconds of delay time. Then simply push a button on the unit or on a remote control panel to edit unwanted or offensive content. You select the splicing algorithm for music or spoken-word programming.

Keep your air clean and seamless with the AirTools 6000 Broadcast Delay from Symetrix, the engineering-driven company of signal processing specialists.



6000 Features

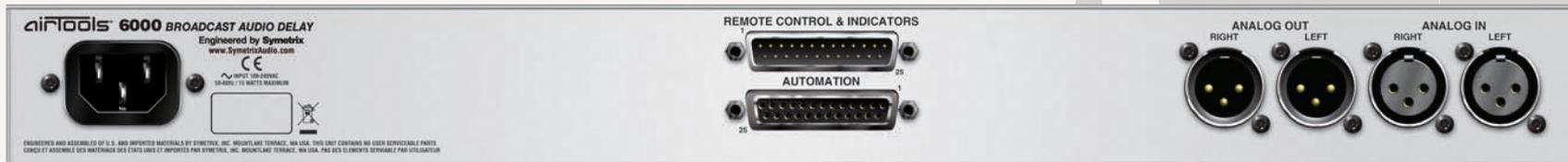
- 24-bit digital delay unit for live broadcast that prevents unwanted profanity or comments from reaching the airwaves.
- Up to forty (40) seconds of full bandwidth stereo delay (user programmable in 0.1 second increments).
- User selectable delay algorithms. Tailored for music and speech.
- Four (4) relays integrate with station automation.
- Remotely controlled from the RC-6000 or from a custom panel.

Engineered by Symetrix™

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Specifications

Input/Output

Analog Input Type: Stereo, balanced bridging
Maximum Analog Input Level: +28 dBu
Input Common Mode Rejection: >40 dB @ 1 kHz
Analog Output Type: Stereo, electronically balanced
Maximum Analog Output Level: +28 dBu into 100k Ω

Performance Data

Frequency Response: 20 Hz to 20 kHz*, ± 1 dB @ +4 dBu output
Harmonic Distortion: less than 0.01% with +4 dBu input, +4 dBu output, 40 second delay and a 1 kHz test signal.
Maximum Delay: 40 seconds
Dynamic Range: A/D -108 dB (A-weighted)
Dynamic Range: D/A -115 dB (A-weighted)
A/D and D/A Conversion: 24-bit sigma delta
Internal Sample Rate: 48 kHz

Connectors

Input Connectors: XLR (Analog Audio); D-sub 25 (Remote Control and Automation)
Output Connectors: XLR (Analog Audio)

Physical

Size: (HxWxD) 1 rack unit,
1.72 in. x 19 in. x 8.2 in. (4.37 cm x 48.30 cm x 17.15 cm)
Shipping Weight: 8 lbs. / 3.64 kg

Electrical

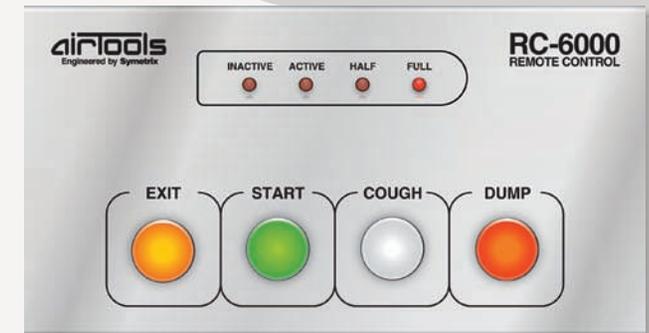
Power Requirements: 100 to 240 VAC, 50 Hz to 60 Hz, 25 Watts

Environment

Maximum operating ambient temperature: 30° C.

*NOTE: A high pass filter is engaged during build and exit modes when using the gap detector gap detect+catchup algorithms. During build and exit modes when using either of these algorithms, the frequency response will be down about -3 dB at 100 Hz.

Add An Airtools RC-6000 Remote Control To Your Broadcast Delay



With the 6000 in the rack and an RC-6000 on the desk you can double the chances of catching unwanted comments from reaching the airwaves.

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