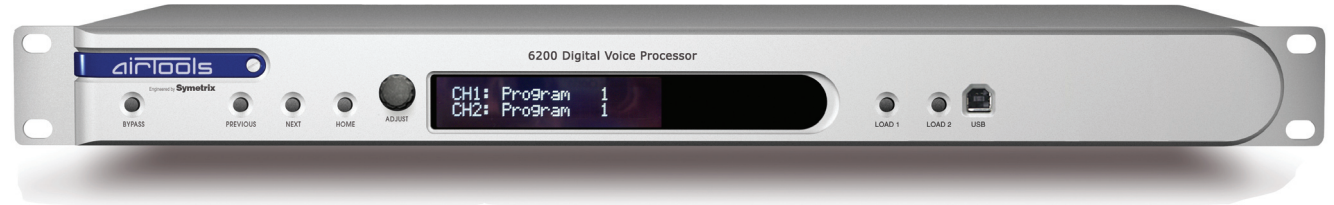


6200 Digital Voice Processor

Almost two decades ago Symetrix introduced the first dedicated voice processor to the broadcast industry. Now, under the AirTools banner, Symetrix unveils the 6200 Digital Voice Processor, designed to meet the increasingly sophisticated needs of broadcasters operating in both analog and digital realms.

For many years we listened to comments from users of Symetrix 528, 528E and 628 Voice Processors and applied that knowledge to develop the optimum mix of signal processing modules and control features for the 6200. The modules include: highpass, lowpass, and



FEATURES

- Windows PC or front panel configuration
- Engineered from the inside out to sound great
- Extremely low latency eliminates delay in headphones
- Functions as a remote node in an AirTools Studio Matrix system
- Numerous external control options include network control
- Stores voice profiles in up to 256 program locations
- Independent mono or stereo modes

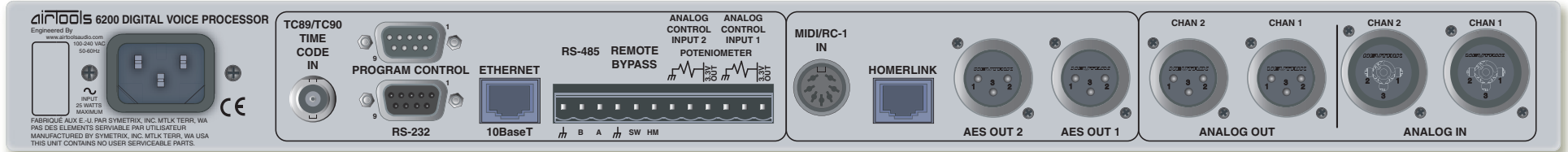
shelving filters • de-esser • downward expander • comp-limiter/AGC-leveler • 4-band parametric EQ • voice symmetry. They are complemented by a variety of control features.

A dual channel unit, the 6200 has two discrete audio pathways capable of processing microphone or line-level sources, independently or as a stereo pair. Signals are converted to 24-bit, 48kHz digital after passing through the analog input stages. Once in the digital realm the user can define specific signal processing modules and their order in the signal chain. Creation of voice programs and signal processing parameters may be done from the 6200 front panel or from 6200 Designer, a Windows™ application. A solid security scheme ensures that only authorized personnel may modify programs the station engineer has created.

Once the 6200 has been initially programmed, external real time control is extremely flexible with or without the use of a computer. From a PC the 6200 may be controlled via RS-232, USB, or Ethernet. In lieu of computer control,

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6200 Digital Voice Processor



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real time changes of program and DSP parameters may be actuated via user supplied ESE time code, pots, or MIDI devices.

Voice profile and module order information are saved to the unit's 256 program locations. These programs can be recalled manually (from the front panel or externally) or automatically based upon a predetermined schedule using the 6200's internal real time clock, or ESE time code as a reference.

When utilizing computer control over an Ethernet LAN an engineer, working from a single location, can manage a number of 6200s in various air and production studios throughout a broadcast facility. He can change processing parameters and save and recall programs in any of the rooms while remaining at his desk.

Air talent may take special interest in the next generation of low latency converters used in the 6200. These converters reduce the total delay from analog input to analog output to less than 0.5 milliseconds, essentially eliminating any perception of delay in headphones.

The 6200 is also compatible with the AirTools Studio Matrix system that can mix, process, and route audio throughout an entire broadcast facility. The 6200 can be connected to and from the Studio Matrix via HomerLink, a low cost Symetrix technology that transports AES digital audio over CAT5 cable for distances up to 100 meters. CAT5 can also be used to connect a 6200 to a distant HomerLink Breakout box converting to standard AES-3 XLR connectors.

We've designed the 6200 for broadcasters seeking quality assurance throughout their voice talent signal processing chain whether the talent is live or syndicated. Please call or visit our web site for more information about the AirTools 6200 Digital Voice Processor.

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| Rear Panel Connections | |
|------------------------|---|
| Audio Inputs | Analog Mic (x2) or Line (x2); HomerLink* |
| Audio Outputs | Analog Line (x2); Digital AES-3 (x2); HomerLink |
| Communications | Ethernet 10 base-t; RS-232; RS-485; USB-1.1 |
| Control | ESE time code; Analog control ports (x2) for use with pots; MIDI; RC-1. |
| AC Power | Universal input, 100-240 VAC, 50-60 Hz. |

* An optional AES-3 breakout accessory

| Processing Modules | Primary Function |
|-----------------------------|--|
| Comp-limiter or AGC-Leveler | Comp-limiter establishes maximum dynamic range. AGC-Leveler places voice in target 'dynamic window'. |
| De-esser | Dynamically reduces sibilance and fricatives. |
| Downward Expander | Dynamically reduces low level acoustic noise. |
| 4 Band Parametric EQ | Used creatively to create characteristic voice profiles and/or used curatively to fix acoustic problems. |
| Shelving Filter | Used in conjunction with parametric EQ to enhance voice profiles. |
| Voice Symmetry | Balances positive and negative waveforms to increase maximum modulation. |
| High / Low Pass Filters | Acoustic correction tools. |

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