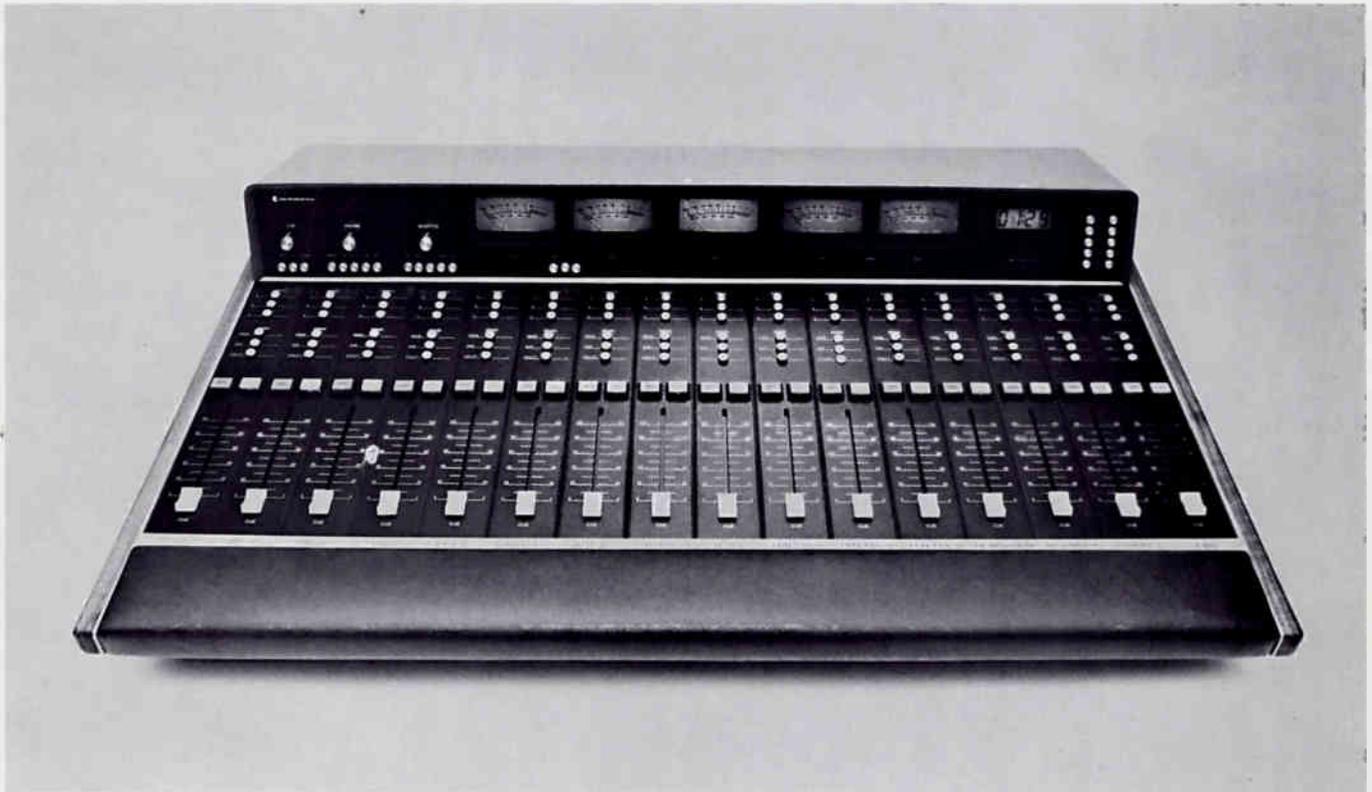


# Cetec 8000 Series Consoles

All-new, all quality radio broadcast consoles

- Deluxe, high-performance studio consoles
- 8 channels standard; expandable to 16
- All modular and solid-state; almost no hard wiring
- State-of-the-art integrated circuits throughout
- Clean, clear sound — only .008% THD



With the introduction of the 8000 Series, Cetec again raises the standard for deluxe, first-quality radio broadcast consoles.

The 8000 Series operates in full-range stereo, and offers many new all-inclusive features for the professional broadcaster in competitive price range.

The 8000 has 8 standard broadcast channels and 24 inputs standard. Plug-in mixer modules can expand the unit to 16 channels and 48 inputs. Patch points in pre-amp and line amp are easily accessible at screw-in barrier strips.

All maintenance is made simple by the use of plug-in circuit boards and ribbon cable throughout.

Series 8000 has five meters and two peak LED overload indicators. Five enunciators are built in to advise the announcer: Transmitter, Alarm, Mic, EBS, and Phone. (No need for a makeshift, tack-on d.j. message panel.)

Penny and Giles audio faders are standard on the Cetec 8000. There are four output busses — three stereo and one mono.

Total harmonic distortion (THD) is .008% at 1 KHz + 27 dBm output. (+ 28 dBm maximum output standard.) This excellent specification, achieved through the selection of high-quality integrated circuits and transformers, contributes to the 8000's fine audio quality.

The 8000's equalizer module, an option, is much improved in design and performance over predecessor models.

A front panel-mounted intercom option is standard; so is a liquid crystal clock/timer; so is the internal headphone amplifier; so is the 4-watt cue amplifier. The clock/timer is individually programmable from each channel module. A ready/play display (giving cart machine status) is also standard on the 8000.



The 8000 Console is "all there" when it is delivered, complete and ready to go. It has been engineered for broadcast convenience and efficiency. All work surfaces are in scratch-resistant, non-reflective black overlay, with all graphics and markings protected from marring. There is a factory label system to designate each module assignment.

Our 25-watt/channel monitor amp is pre-wired. You can just make the speaker connection and turn on the power.

No soldering, no wire harness to trace.

This great new 8000 Series is from Cetec, the broadcast automation leader, and you can be assured that the 8000 is fully compatible with System 7000—or any automation system. The console is designed to permit control via cart machine or remote audio sources.

Since the 8000 employs just one universal and interchangeable module, the station operator needs only two spare PC boards (line input and mixer module).

### 8000 Series Specifications

**Mixers:** 8 standard, expandable to 16 maximum.

**Inputs:** 24 standard (three per mixer), expandable to 48.

**Input Impedance:** 150 ohms balanced microphone; 10 K balanced high level input with reversible XFMR module.

**Input Levels:** Module-selectable on each module for -55 dBm, or 0 dBm. May be extended to +20 with balanced pad. Head room: 26 dB. Patch point in preamp and line amp.

**Output Levels:** Four lines with 8 dBm into 600 ohms to 0 VU indication, 28 dBm maximum output. Monitor: 25 watts RMS. Cue: 4 watts to internal speaker. Intercom (talkback): 4 watts. Phones: 7.5 VRMS into 600 ohms. High impedance phones may be used.

**Output Lines:** Program, Audition, Utility, Mono.

**Response:** All amplifiers +0, -1 dB, 20-20,000 Hz, at rated output, line position.

**Distortion:** All amplifiers less than .3% TDH, 20-20,000 Hz, at rated output. Typically less than .005% at 1,000 Hz.

**Signal-to-Noise:** 70 dB below (minimum) 73 dB below (typical) +8 dBm output, referenced to -55 dBV input, 20-20,000 Hz unweighted. Equivalent input noise: -125 dBV (.775 V = 0 dBV.) -82 dB with 0 dBm input level (line position).

**Controls:** 8 control relays activated through module on/off switching. Sustained, momentary (module on). Momentary (module off). Normally open or closed contacts. 3 muting relays with two normally closed and one normally open contact, each. Any module can activate any relay with "A," "B" or "C" input or "A" only.

**Timer:** 4 digit illuminated liquid crystal display timer with "start," "stop," and "hold" controls. "Hold" is internally selectable to be "display hold" or "count hold." Control can be assigned to any module with module jumper.

**Power:** 117V 50/60 Hz (230V optional).

**Size:** Console: 40" W x 26 3/4" D x 10 3/4" H.

**Remote Power Supply/Muting/Monitor Amplifier:** 5.25" H (133.35 mm) rack mount. Rack mount is 19" (433 mm) American standard.

