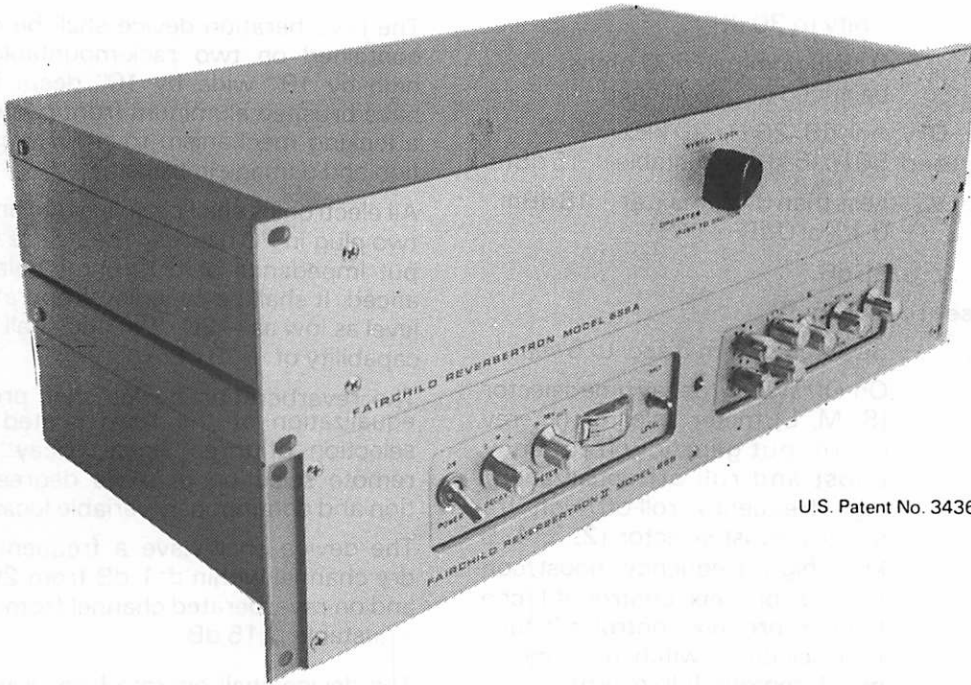


659A rev.

REVERBERTRON

Dynamic Reverberation System

659A
65900



U.S. Patent No. 3436674

FEATURES

- Provides up to 30 dB of gain.
- Excellent signal to noise. (65 dB)
- Full range equalization.
- Instant selection of 3 decay times.
- VU metering of all signals in the system.
- Local & Remote selection of 3 degrees of reverberation.
- Function selector switch for dry, fully or partially reverberated signal, or remote control.
- Continuously variable local reverb mix controls.
- Solid-state electronics on plug-in p.c. boards.
- Transformer isolated input & output.
- Requires only 7" of vertical rack space.
- Exclusive "system lock" for transit.

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REVERBERTRON 659A

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Engineering Data

REVERBERTRON

Model 659A

SPECIFICATIONS

Input	—30 dBm to 0 dBm, 600 ohms balanced or unbalanced.
Gain	Unity to 30 dB.
Output	0 dBm nominal, 600 ohms balanced or unbalanced.
Frequency Response: Dry	± 1 dB, 20 Hz-20 kHz.
Reverberated	50 Hz-6 kHz adjustable ± 15 dBm.
THD	Less than 0.4% max. at +18 dBm. 0.1% at 0 dBm.
S/N	65 dB
Equivalent Input Noise	—125 dB
Decay Time	Selectable from 3 sec. to 5 sec.
Controls	On-Off switch/decay time selector (S, M, L)/meter selector (in, rev, out)/input gain/low frequency boost and roll-off equalization/high frequency roll-off/high frequency boost selector (2, 3, 4, 5 kHz)/high frequency boost/continuous pre-mix control #1/continuous pre-mix control #2/function selector switch (dry, mix 1, mix 2, remote, full reverb)
Power Requirement	110-120 VAC, 50/60 Hz, 30 watts.
Dimensions: Electronics	3½" H x 19" W x 10" D
Delay Assy	3½" H x 19" W x 10" D

ARCHITECTS AND ENGINEERS SPECIFICATIONS:

The reverberation device shall be completely self-contained on two rack-mountable chassis 3½" high by 19" wide by 10" deep. The units shall have brushed aluminum front panels. It shall have a locking mechanism to prevent generator vibration and damage in transit.

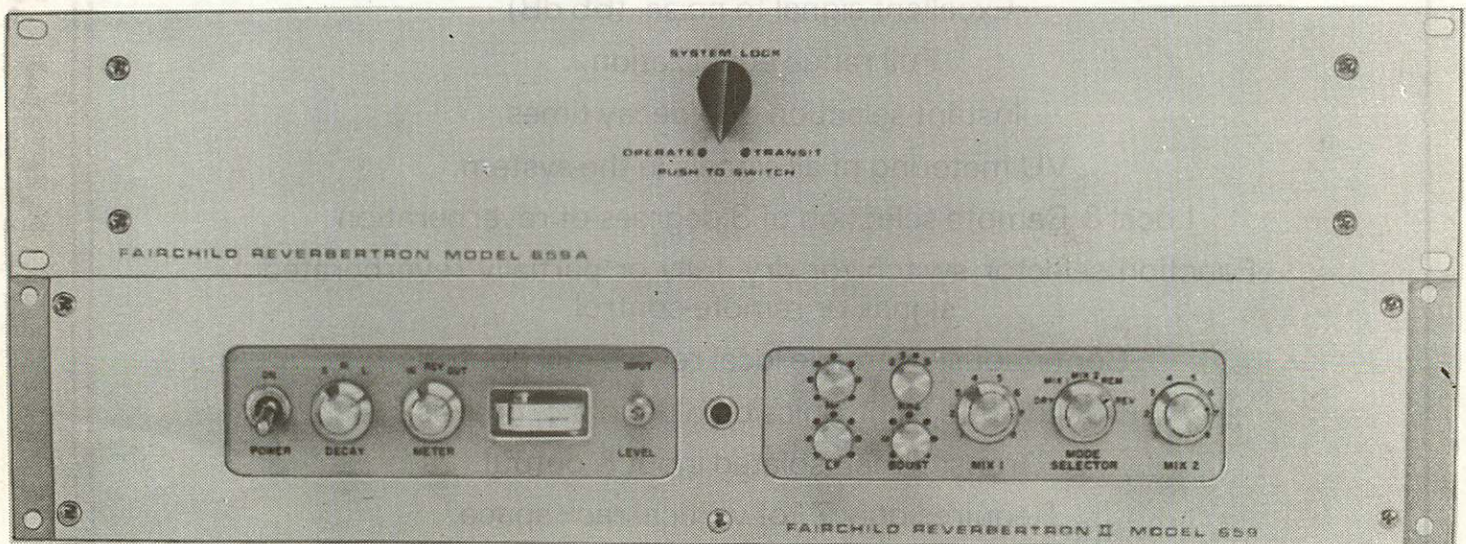
All electronics shall be solid state and contained on two plug-in PC boards. The device shall have an input impedance of 600 ohms balanced or unbalanced. It shall be capable of operating at an input level as low as —30 dBm and shall have an output capability of +18 dBm.

The reverberation device shall provide complete equalization of the reverberated signal, instant selection of three signal decay time constants, remote selection of three degrees of reverberation and continuously variable local mix control.

The device shall have a frequency response on dry channel within ± 1 dB from 20 Hz to 20 kHz and on reverberated channel from 50 Hz to 6 kHz, adjustable ± 15 dB.

The device shall operate from a power source of 110-120 VAC, 50/60 Hz, 30 watts.

The reverberation device shall be **PROTECH MODEL 659A REVERBERTRON.**



ProTech Audio

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