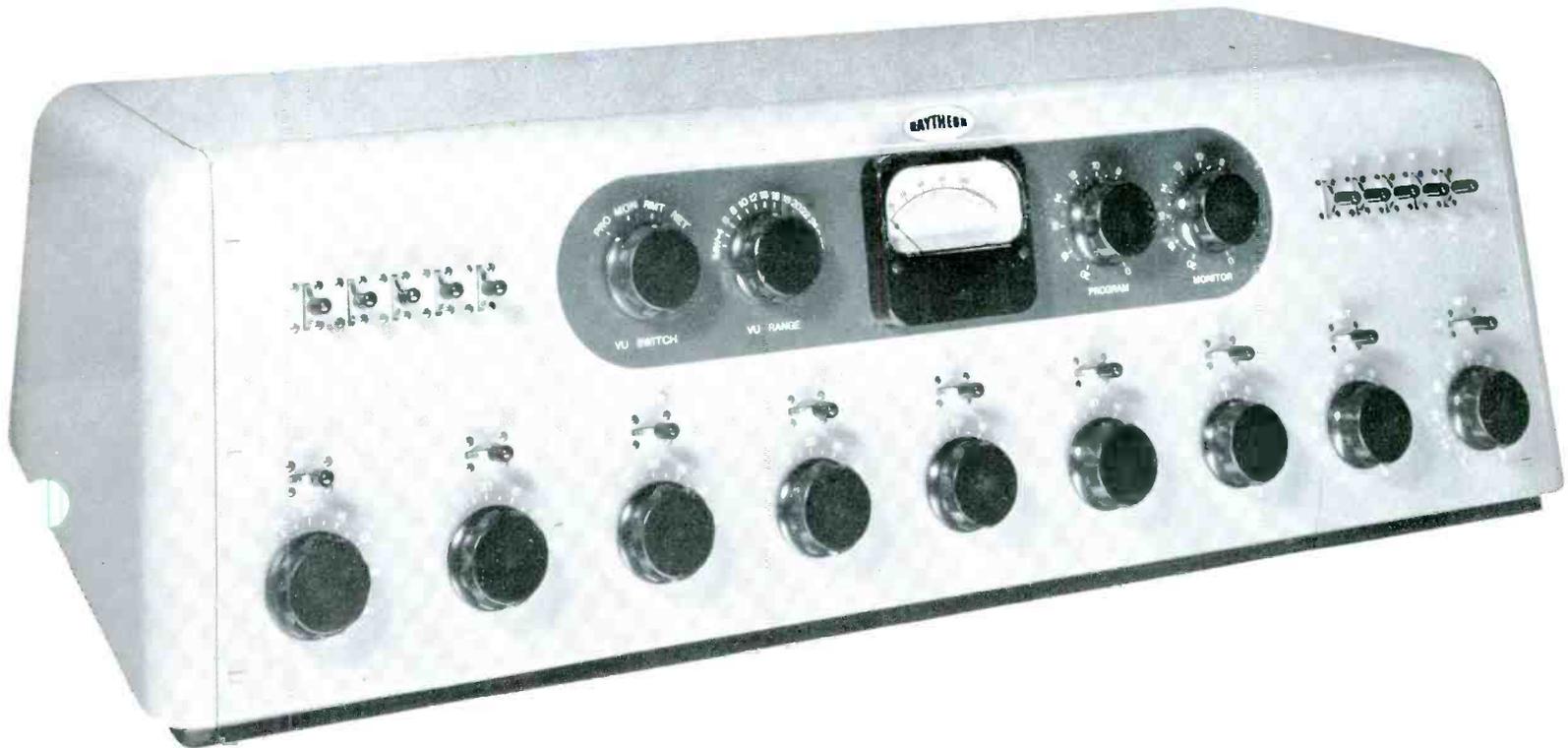


RAYTHEON STUDIO CONSOLE

For **AM** or **FM**



A single compact unit that easily controls two studios, announcers' booth, two turntables, nine remote and two network lines

Complete high fidelity speech input facilities for the modern station. Any combination of studios, remote lines or turntables may be broadcast and auditioned simultaneously through the two high quality amplifier channels.

RAYTHEON

Excellence in Electronics

RAYTHEON'S NEW STUDIO



*View showing top lid open—
all components are easily ac-
cessible full width of chassis.*

*View showing console tilted
back on full length rear hinge
—all wiring and components
instantly accessible.*

DEVOTED TO RESEARCH AND MANUFACT

CONSOLE • for AM or FM

a strikingly beautiful console that is more flexible and yet is more dependable and easier to operate

HERE IS A STUDIO CONSOLE that will give you all the latitude and flexibility of studio and remote programming you have always desired, for either AM or FM transmission. This single unit easily controls two studios, an announcer's booth, two turntables and nine remote lines and two network lines that may be permanently wired in. Any combinations of these may be broadcast and auditioned simultaneously. Oncoming programs may be cued and the volume pre-set while on the air.

- Finest quality components throughout guarantee dependable performance, long-lasting and trouble-free. The single compact unit contains all the control, amplifying and monitoring equipment.
- Telephone type lever action, three position key switches are used exclusively to give positive dependable control. The three positions available with this type switch also simplify switching by actually eliminating nineteen controls. Consequently, operation is greatly simplified and operational errors materially reduced. All controls are standard, simple and positive—easy to operate.
- The striking beauty of this Raytheon console finished in two-tone tan baked enamel will add a feeling of quality and distinction to your studio. The sloping front panel combines maximum visibility of controls with ease and comfort of operation. Sloping top panel gives operator an unobstructed view into the studio. The dual power supply finished in the same color is designed to be separately mounted on wall, desk or relay rack.

COMPARE THESE OUTSTANDING FEATURES WITH ANY OTHER CONSOLE

- Seven built-in pre-amplifiers—more than any other console—making possible 5 microphones and 2 turntables, or 7 microphones, on the air simultaneously.
- Nine mixer positions—more than any other console—leading to 5 microphones, 2 turntables, one remote line and one network line.
- Nine remote and two network lines—more than any other console—may be wired in permanently.
- Telephone-type lever-action key switches used throughout—most dependable, trouble-free switches available. No troublesome push buttons.
- Frequency response 2 DB from 30 to 15,000 cycles. Ideal speech input system for either AM or FM.
- Distortion less than 1%, from 50 to 10,000 cycles.
- Noise level minus 65 DB's or better. Airplane-type four-way rubber shock mounting eliminates outside noise and operational "clicks."
- All FCC requirements for FM transmission are met.
- Dual power supply provides standby circuit instantly available for emergency use.
- Power supply designed for separate mounting on desk, wall or relay rack.
- Instant access to all wiring and components. Top hinged panel opens at a touch. Entire cabinet tilts back on sturdy full-length rear hinge.

URE FOR THE BROADCASTING INDUSTRY

RC-11 CONSOLE SPECIFICATIONS

Pre-amplifier Input Impedances.....50, 200 or 600 ohms
 Remote Lines Impedances.....600 ohms

Output Impedance

Line Amplifier500/600 ohms
 Monitoring Amplifier500/600 ohms

Output Level

Line Amplifier (Distortion under 1%
 50—7500 cycles) + 20 VU
 Max. Line Amp. Output Level..... + 30 VU
 Monitoring Amp. Maximum Output..... + 39 VU
 Gain (max. microphone to line) Program
 Amp. 103 DB

Frequency Response (line or monitor
 amp.) ± 2 DB 30—15,000 cycles

Noise Level (75 DB Gain + 20 DB out)..... — 60 DB
 Power Input—110/120 volts, 50/60 cycles.....230 watts

Dimensions

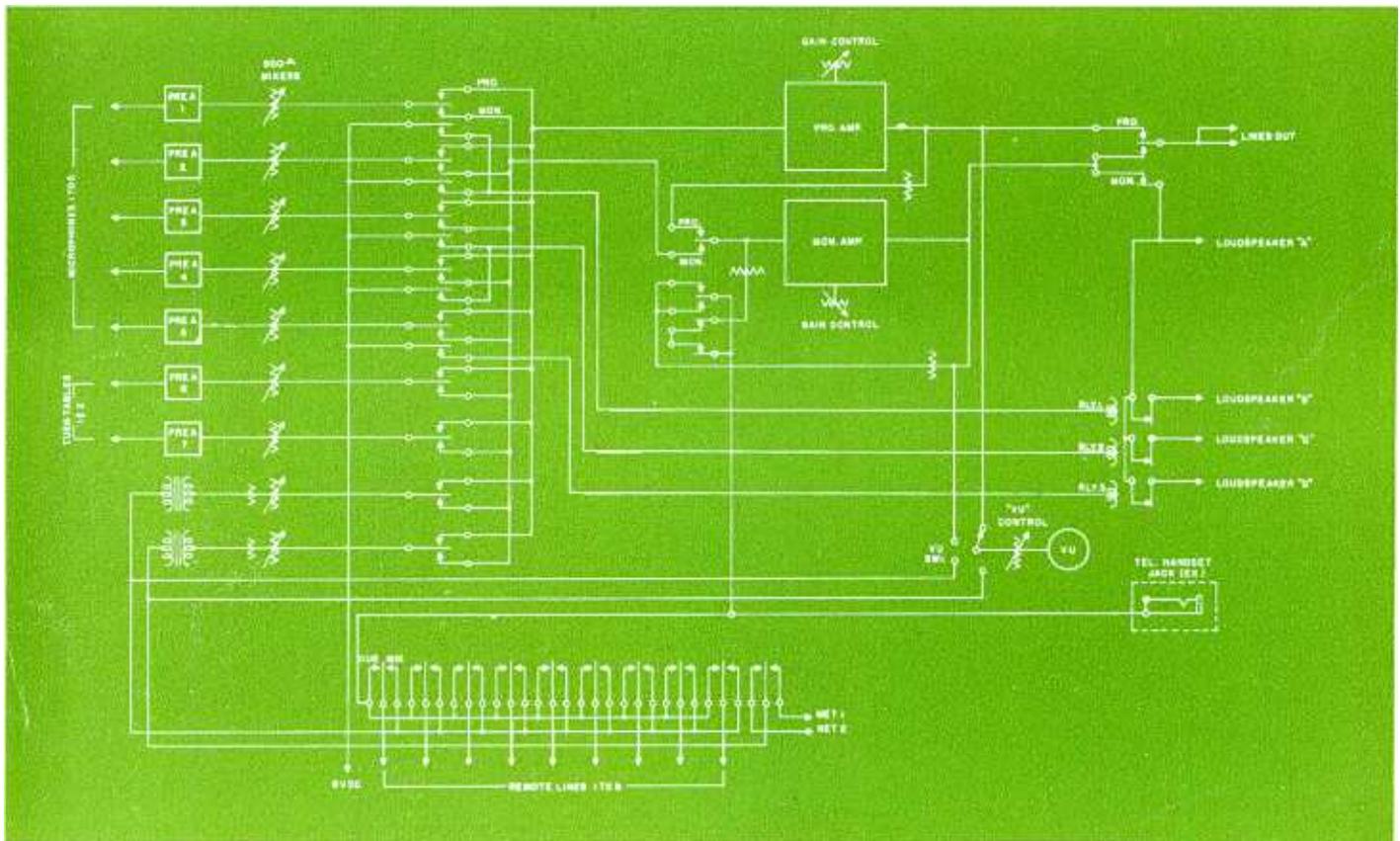
ConsoleLength 38½", Height 11¼", Depth 16"
 Power Supply.....Length 19", Height 15¾", Depth 8½"

Weight.....Unpacked with Tubes (Console 107 lbs.)
 (Power Supply 76 lbs.)
 Shipping Weight—Console and Power Supply.....336 lbs.

Console is complete with 11 type 6J7 tubes, 2 6SN7GT
 tubes and 4 type 6F6 tubes. Power supply is complete
 with (2) 5U4G tubes.

In order to constantly incorporate the finest in engineering, design and components in our Broadcast Equipment, Raytheon reserves the right to make engineering changes at any time.

BLOCK DIAGRAM



RAYTHEON MANUFACTURING COMPANY

Broadcast Equipment Division

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