



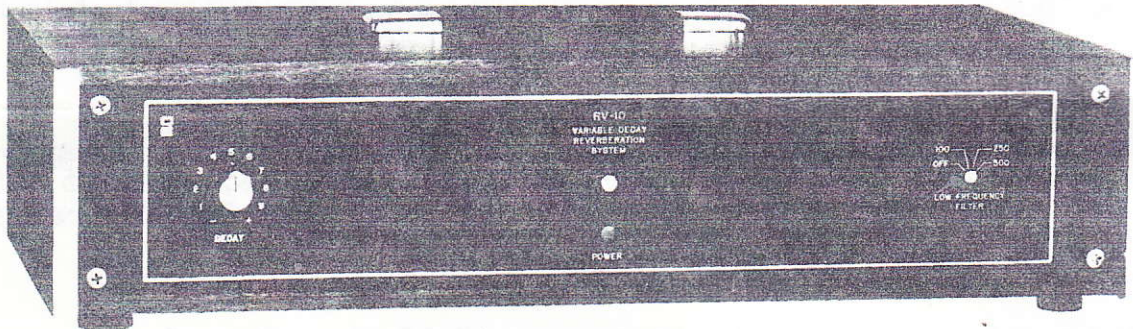
# DATA SHEET

RV-10

PRELIMINARY

REVERBERATION SYSTEM

5/72



The Quad-Eight RV-10 is a variable decay Reverberation device that is a new and patented approach to mechanical reverberation simulation. It has a clean, transparent sound that compares favorably with other types of reverberation devices or reverberation chambers.

A 55 millisecond initial delay, low frequency filtering, and the variable decay time feature, allow the RV-10 to match any other reverberation device and create new effects not available with other reverberation devices.

The design and construction of the RV-10 gives it almost total immunity to pick up of ambient sound. It may be used in the control room if necessary.

A1572 RV10



**quad/eight  
electronics**

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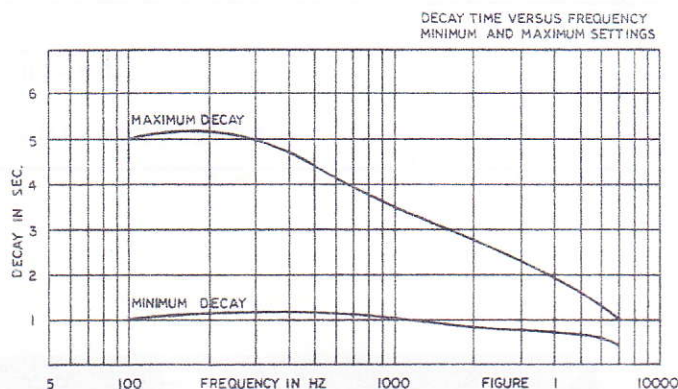


## QUAD-EIGHT RV-10 SPECIFICATIONS

### FRONT PANEL CONTROLS

Continuously Variable  
Decay Time  
(see Figure 1)

The 3 steps of low frequency roll-off with an off position are: 100 Hz, 250 Hz, 500 Hz, at 18 db per octave



There are four different initial delays developed by four independent transmission lines. The full delay pattern is realized after 55 milliseconds and then the reverberation runs in four continuous trains of multiples of the delay times.

Signal to noise ratio is 60 db

Immunity to external noise is in excess of 55 db. This feature makes the RV-10 the best candidate for use in control rooms under high-level monitor conditions.

Completely self contained, small size, light weight and rugged construction makes the RV-10 applicable for Recording Van or Portable use.

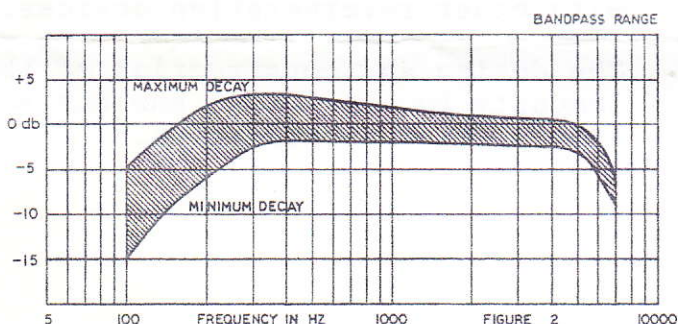
Distortion in the drive and recovery system is under .25% up to full output level of + 18 dbm maximum.

The input sensitivity is + 4 dbm and is continuously variable down to - 20 dbm with internal trim pot.

Input/output impedance is 600 ohms, transformer isolated and floating.

The effective Band Pass of the RV - 10 Reverberation System is 100 Hz to 7 kHz and is independent of the variable decay time setting. (see Figure 2)

The overall frequency response has been limited to the useful reverberation band width. This is considered good industry practice and with our built-in filters eliminates the need for external filtering.



Input and output connections are Jones Barrier Strip

Power requirements are 117 VAC @ 12 Watts

Size 19" wide x 3½" high x 10½" behind the panel

Shipping weight is 17 pounds