

## EV-20R

The rack-mount digital message repeater shall have three minutes of CD-quality digital storage capacity with four selectable messages/tones. The messages shall be stored as 44.1k Hz, 16 bit PCM (monaural), uncompressed WAV format and shall be transferred via USB interface of recorded directly to unit via front panel mic/line input (switchable). The unit shall include a built-in

amplifier (3 W, 8 ohms, terminal block type connector) for direct speaker connection, a balanced line input (Input / Recording input: Mic: -60 dBV Line: -20 dBV, 10k ohms, (switchable Mic/Line), unbalanced, phone jack 0 dBV, 10k ohms, unbalanced, terminal block type connector) pass-through to balanced line output (0 dBV, 600 ohms, unbalanced, terminal block type connector) with automatic muting of external source during message activation and a headphone output (0 dBV, 100 ohms, unbalanced, phone jack) with adjustable volume control. Individual message activation shall be accomplished via front panel and/or rear panel switch inputs (no-voltage make contact input, pulse make length: 200 ms, open voltage: 30 VDC, short-circuit current: 10 mA) with terminal block type connector. A stop input terminal shall allow immediate termination of current messages. Features shall include an adjustable broadcast delay time (0, 2 and 4 seconds) and an interval timer to allow messages to be repeated at various time intervals (0/5/10/30 seconds or 1/5/10/30 minutes, 1 hour or continuous). A control output (contact capacity: 30 VDC/0.5 A) with terminal block type connector shall activate during message playback.

Power shall be derived from an external 24 VDC/400 mA power supply or external 24 VDC input with power consumption of 10 W (rated output). Specifications shall include frequency response of 20 to 20k Hz  $\pm$  3 dB (1k Hz) and distortion under 1% (1k Hz, rated output). Front panel LED indicators shall include POWER, USB and START/STOP 1-4. Finish shall be black ABS resin. Dimensions (W x H x D) shall be 8.23" x 1.74" x 7.13" (210 x 44.2 x 181 mm) and weight of 1.61 lbs. (730 g).

The digital message repeater shall be TOA model EV-20R.  
The AC power supply shall be TOA model AD-246.