

5. TYPICAL PERFORMANCE

Audio inputs (12):	2 per room (1 mic and 1 line) 1 Background Music (line-level) 1 Paging (line-level)
Input signal range:	Mic: -20 dBu to -60 dBu Line: -14 dBu to +4 dBu (input selector set to LINE only) Line: -21 dBu to +4 dBu (input selector set to LIN+MIC) Music: -30 dBu to +4 dBu Paging: -30 dBu to +4 dBu
Phantom voltage:	24 Vdc selectable on each input (IEC 1938: 1996-12)
Gain:	Line: Off to 18 dB (front panel adjustable, input selector set to LINE only) Line: Off to 25 dB (front panel adjustable, input selector set to LIN+MIC) Mic: Off to 65 dB
Frequency response:	Line: 15 Hz to 20 kHz (+/- 0.5 dB) Mic: 120 Hz to 20 kHz (+/- 0.75 dB; integral low-cut filter -3 dB @ 75 Hz) Music: 10 Hz to 18 kHz (+/-0.5 dB, filter FLAT) -3 dB @ 50 Hz, -18 dB @ 20 Hz (LO-CUT) Paging: 20 Hz to 7.5 kHz (+/-1.5 dB)
Headroom:	18 dB
Noise (below +4 dBu out):	<-80 dB (line input, local mode, uncombined) <-70 dB (mic input, local mode, uncombined, 60 dB gain) <-75 dB (music mode)
THD+N:	<0.025% (line inputs) ; <0.1% (mic inputs)
Meters (6):	Front panel dual-LED VU metering for music (1) and room (5) inputs
Status outputs (6):	15 mA open collector (internal 24 V pullup; voltage drop 4 Vdc @15 mA) Remote power terminal protected by automatically resetting fuse
Remote control inputs (7):	6 for room combinations, 1 for paging Requires external pull to ground to activate (internal 24 V, 10 kΩ pullup)
Ramp rate (audio level):	3 seconds for full adjustment (RCX-1, RCX-3) Follows knob rotation (RCX-2, RCX-10R)
Room Control range:	36 dB + Off
Power requirement:	24 Vdc @ 2 A