

## RDL HD-MA35 4/8 Ohm Outputs/35 Watt Mixer Amplifier

Amplifier Zones (2):	Zone 1 (Main): 35 W RMS, front-panel mixer (user controls); Zone 2: 2 W RMS (8 Ohms), rear-panel mixer (trimmers)
Audio Inputs (3):	Balanced, mic or line switch selectable on terminal block; 2, unbalanced stereo summing inputs on RCA jacks
Maximum Input Level:	Mic Input: -11.5 dBu; Balanced line input: + 19 dBu; Unbalanced Inputs: + 9 dBV(+15.5 dBV, one input); (for 1%THD+N at output)
Phantom Voltage:	24 Vdc (IEC 61933: 2013), switch-selectable for the mic input
Ducking/Muting Actuation:	Automatic (Input 1 VOX: rear-panel adjustable signal threshold with LED indicator) or Manual (contact closure to ground)
Ducking/Muting Release Delay	4 seconds, nominal
Ducking/Muting:	Switch-selectable for inputs 2 and/or 3, 25 dB ducking attenuation, nominal
External RDL Module Power Output:	24 Vdc, 100 mA maximum, ground-referenced
Input level:	(to cross compressor threshold equaling 23 W amplified output) Mic Input: -50 dBu (2.5 mV), (front panel gain at max.) Balanced line input: -21 dBu (70 mV), (front panel gain at max.) Unbalanced Inputs: -15 dBV (180 mV, front panel gain at max., both inputs driven)
Noise (line output):	Mic input: -68 dB, Balanced line input: -72 dB (below compressor threshold at max gain); Unbalanced Inputs: <-85 dB (max gain)
Noise (amplified outputs):	Mic input: -68 dB, Balanced line input: -72 dB (below compressor threshold at max gain); Unbalanced Inputs: <-75 dB (max gain)
THI:-N:	< 0.5% (1 kHz at compressor threshold, main amp output); < 0.25% (line output, main)
CMRR: Mic input:	> 50 dB (50 Hz to 120 Hz); Balanced line input: > 80 dB (50 Hz to 120 Hz, transformer-coupled input)
Compressor:	Threshold 2 dB below rated output, automatically adjusting attack and release times
Frequency Response (mixer):	Mic to line output: $\pm 1.5$ dB (40 Hz to 25 kHz); Balanced line input to line output: $\pm 1$ dB (20 Hz to 20 kHz); Unbalanced line input to line output: $\pm 0.5$ dB (20 Hz to 20 kHz)
Frequency Response (Zone 1 amplifier):	$\pm 1$ dB (50 Hz to 20 kHz)
Frequency Response (Zone 2 amplifier):	8 Ohm: $\pm 1.5$ dB (50 Hz to 20 kHz); 600 Ohm: $\pm 1.5$ dB (30 Hz to 18 kHz)
Tone Controls:	$\pm 10$ dB @ 10 kHz, $\pm 9$ dB @ 100 Hz (front-panel) with center detent
Audio Outputs (2):	+4 dBu nominal (1.23 V), balanced, terminal block (FLAT); 0 dBu nominal balanced, terminal block (zone 2 mixer, 600 Ohm output)
MOH Output:	0 dBu nominal (775 mV), 600 Ohm transformer-isolated, >16 dB headroom
Power Amplifier Outputs (2):	Zone 1 (main, <1% THD+N): 35 W RMS (4 Ohms), 32 W (8 Ohms) on detachable terminal block (switch-selectable 4 or 8 Ohm impedance); Zone 2: 2 W (8 Ohms, on detachable terminal block)
Indicators (6):	Front-panel: Signal present (3; 1 per input, green), Compressor activity (red), Power (bright=on, dim=standby, blue); Rear-panel: Ducking/muting threshold (yellow)
VCA:	Zone 1 (main) master level, 0 to 10 Vdc control, detachable terminal block (compatible with RDL VCA wall controls)
Front-panel controls (6):	Zone 1 (main) mixer level controls (3, inputs 1 through 3), EQ (2, bass and treble), Power (latching pushbutton, on/standby)
Rear-panel controls (9):	Mic/Line switch (Input 1), Input 1 ducking/muting detector sensitivity trimmer, Phantom voltage switch (Input 1), Ducking control switches (2, to duck inputs 2 and/or 3), Zone 2 mixer level controls (3, inputs 1 through 3), HD-MA35: Output impedance switch 4 or 8 Ohms
Ambient Operating Environment:	0° C to 50° C Maximum; 20° C Recommended
Power Supply (included):	100 to 240 Vdc, 50-60 Hz, 50 W; 24 Vdc output to amplifier chassis
Dimensions and Weight:	Height: 3.5 in.(8.89 cm); Width: 8.5 in.(21.6 cm); Depth: 6.75 in.(17.1 cm); Weight: 4.5 lb.(2 kg)
Package Type:	Cardboard Box
Package Dimensions:	10.75 x 9.125 x 3.9375 in.
Shipping Weight:	5.08 lbs.
WEEE weight:	3.98 lbs.
Tariff code:	8518.50.0000