



rm3 – Technical Details

The microphone amplifier and equaliser are taken from the Raindirk Audio professional range of recording consoles. All controls are very functional and responsive with overlapping frequency ranges to provide comprehensive signal manipulation. The rm6 is a full wide band unit with absolute minimum of colouration and phase changes and wide frequency response and high noise margins. This rack module has a microphone amplifier and a variable high pass filter.

INPUT

Low noise microphone amplifier with a gain range of 10 to 70dB
Wide frequency response -1dB at gain 30dB, 6Hz to 75KHz
Typical figures -1dB at gain 50dB, 19H to 75KHz
-1dB at gain 70dB 10Hz to 75KHz
Low CMRR and distortion . @ gain 30dB CMRR >70dB 50Hz to 20KHz
Input, electronically balanced, impedance 3Kohms.
Line level input via high impedance input attenuator to microphone input, input impedance 33Kohm via the Pad switch.
Input noise level R_s 50 ohms B/W 20Hz to 20KHz, EQ out.
-132dB at a gain 70dB, 62db margin
-125dB at a gain of 40dB, 85dB margin
-100dB at minimum gain, 5dB, 95dB margin
Phase change switch
Phantom power switch
Input attenuation pad.
EQ BYPASS SWITCH

The signal falls away smoothly above 75KHz without distortion.

HIGH PASS FILTER

Attenuation slope, -12dB per octave. Frequency range 25 to 360 HZ.

OUTPUT

Electronically balanced, 60dB at 50 Hz and 10KHz

CONNECTIONS

Final inputs and outputs via XLR connectors. (Pin 1 Ground, 2 hot & 3 cold).

