



The world's most original microphone maker

HAD-48 Microphone Pre-Amp

Because dynamic microphones have lower output levels than condenser microphones, long cable lengths often result in a noticeably noisy signal. Sanken's innovative HAD-48 microphone preamplifier solves this problem by increasing the microphone level considerably with no degradation of signal. Providing a choice of switchable 20dB or 40dB of gain, this greatly improves the signal-to-noise ratio. Even when using dynamic microphones and long cables between the mic and the input of the mixing console, this level boost can help overcome line loss and diminished frequency response. Additionally, increased noise due to added gain in the microphone preamp can be reduced.

The HAD-48 features an XLR-style barrel (XLR-3M - XLR-3F) just 105.3mm long. No batteries are needed, because the HAD-48 runs off 48V phantom power from the mixer input and draws a mere 3mA. The phantom power does not pass through to the microphone, eliminating voltage concerns of the microphone.

Features and Benefits

- Provides needed gain for dynamic microphones
- Provides gain boost for long cable lengths
- Selectable Gain: +20dB or +40dB
- Powered by mixer phantom 48 volts
- No batteries required
- Small and portable, attractive packaging
- Does not allow phantom power to reach the microphone

Designed and manufactured by Japan's oldest microphone company, with over 75 years experience in premium quality products. Sanken is foremost worldwide in progressive technology

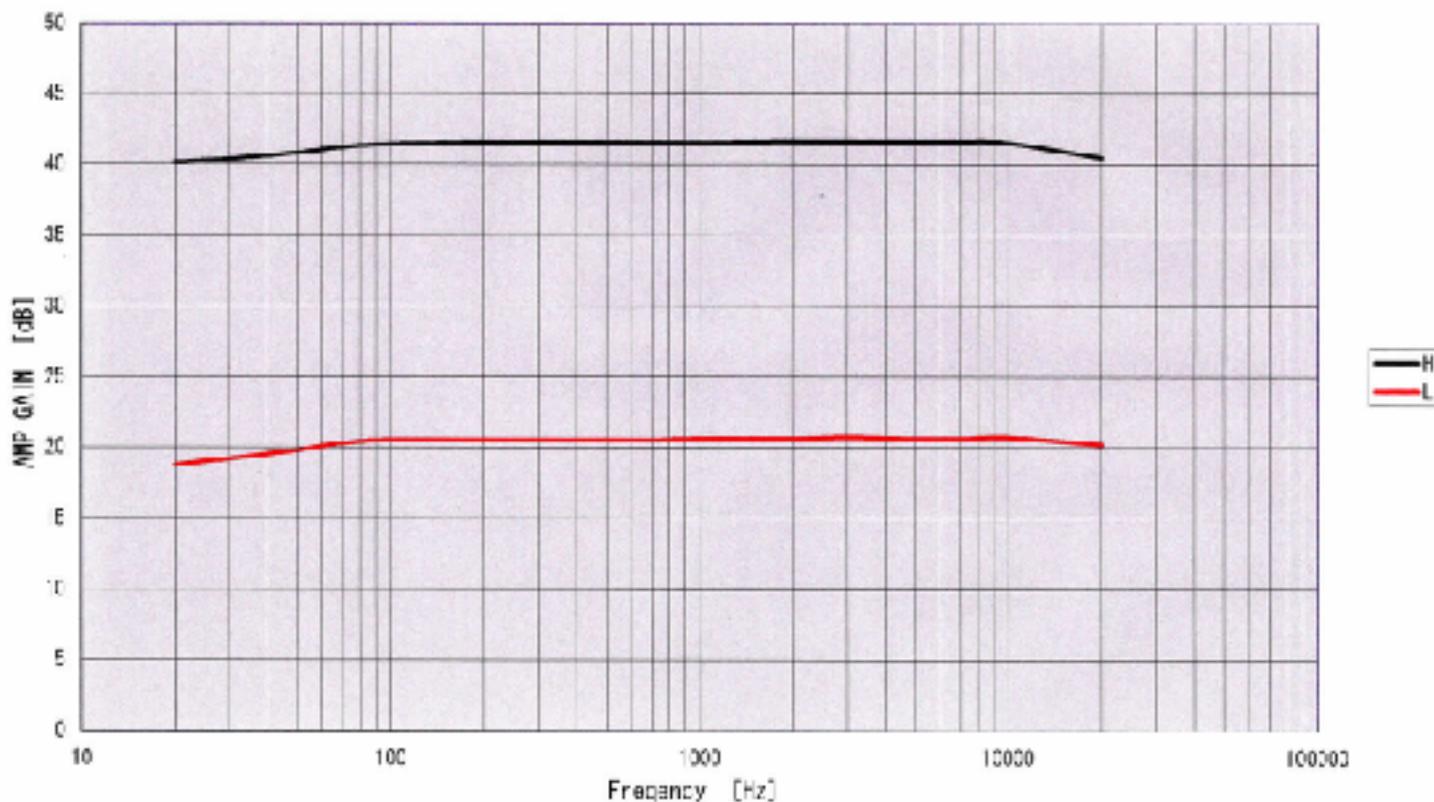


HAD-48

Microphone Pre-Amp

Gain:	+29dB or +40dB switchable
Nominal input level:	1.0mV(-60dBV)
Nominal Output level:	0.1V(-20dBV) Select +20dB position for high impedance output dynamic mic. Select +40dB position for low impedance output dynamic mic.
Frequency res:	50Hz ~ 20kHz
Consumption current:	less than 4.5mA
Noise level:	-121dBA
Max Input level: (THD 1%)	0.48V(-6.4dBV)(+20dB position) 47.7mV(-26.4dBV)(+40dB position)
Max Output level:	4.8V(13.6dBV) (THD1%)
Input impedance:	10k Ohms (1kHz)
Output impedance:	180 Ohms (1kHz)
Expected receive side impedance:	more than 10k Ohms
Powering:	48V phantom fed from mixer or micpre side.
Input connector:	XLR-3F
Output connector:	XLR-3M
Dimensions:	115.3mm(L), 19mm(ϕ)
Weight:	90g

Frequency response



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