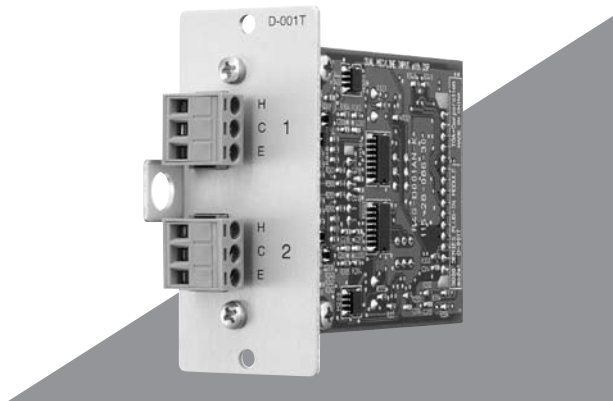
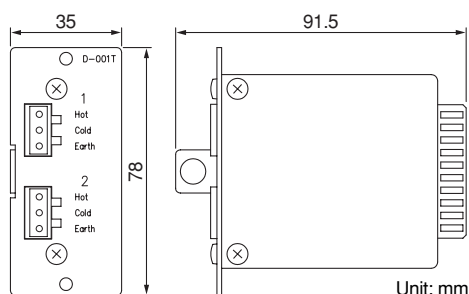


# D-001T Dual Mic/Line Input Module with DSP



The D-001T is a plug-in module designed for use with the M-9000 and can provide two independent balanced inputs. The D-001T can handle signals ranging from microphone level to line level by controlling their input sensitivity in 9 increments from -60dB to -10dB.

Phantom power (+24V) can be supplied for condenser microphone use. The D-001T can process effect for TONE/EQ/COMPRESSOR to two inputs independently.

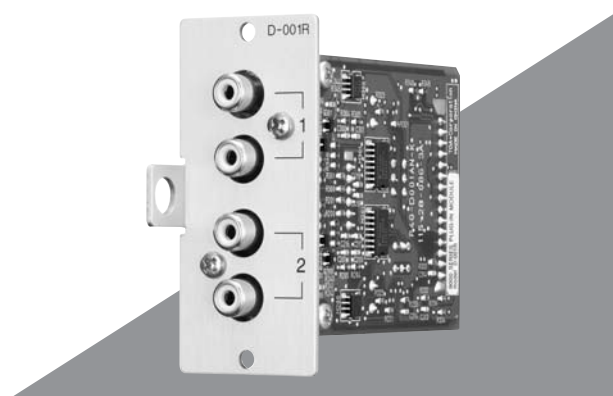


## SPECIFICATIONS

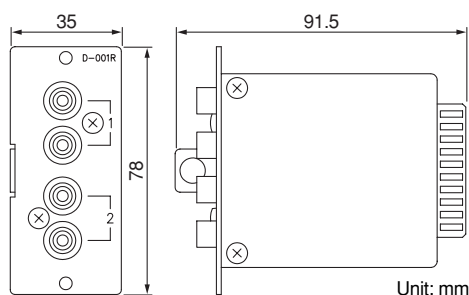
<b>Power Requirement</b>	+24 V DC, -24 V DC, +6 V DC
<b>Current Consumption</b>	20 mA (at +24 V DC), 20 mA (at -24 V DC), 60 mA (at +6 V DC)
<b>Input</b>	2 channels, 3 k ohms (when the phantom power is ON)/ 10 k ohms (when the phantom power is OFF), electronically-balanced, removable terminal block (3 pins)
<b>Input Sensitivity</b>	-60, -54, -48, -42, -36, -30, -24, -18, -10 dB* (selectable)
<b>Frequency Response</b>	20 – 20,000 Hz, +1, -3 dB
<b>THD + N</b>	0.008% (at 1 kHz, 20 – 20,000 Hz BPF, Input sensitivity: -10 dB)
<b>Input Equivalent Noise</b>	Under -112 dB (at 20 – 20,000 Hz BPF, Input short, Input sensitivity: -60 dB)
<b>S/N Ratio</b>	Over 73 dB (at 20 – 20,000 Hz BPF, Input short, Input sensitivity: -10 dB)
<b>Cross Talk</b>	Over 75 dB (at 20 kHz, Input sensitivity: -10 dB)
<b>CMRR</b>	Over 62 dB (at 1 kHz, Input sensitivity: -60 dB)
<b>A/D Converter</b>	24 bit $\Delta\Sigma$ ADC
<b>Sampling Frequency</b>	48 kHz
<b>Tone Control</b>	Bass: $\pm 12$ dB (at 100 Hz), Treble: $\pm 12$ dB (at 10 kHz)
<b>Parametric Equalizer</b>	10 bands, Frequency: 20 – 20,000 Hz BPF, 31 steps, Variable range: $\pm 12$ dB, Q: 0.3-5
<b>High-pass Filter</b>	-12 dB/oct, Variable frequency range: 20 – 400 Hz, 14 steps
<b>Low-pass Filter</b>	-12 dB/oct, Variable frequency range: 4,000 – 20,000 Hz, 8 steps
<b>Compressor</b>	Depth: 1 – 5
<b>Phantom Power</b>	+24 V DC
<b>Operating Temperature</b>	-10°C to +40°C
<b>Finish</b>	Panel: Aluminum, hair-line
<b>Dimensions</b>	35 (W) $\times$ 78 (H) $\times$ 91.5 (D) mm
<b>Weight</b>	82 g
<b>Accessory</b>	Removable terminal plug (3 pins) $\times$ 2, Module mounting screw $\times$ 2

\*0 dB = 1 V

# D-001R Line Input Module with DSP



The D-001R is a line input plug-in module designed for use with the M-9000. It has 2-channel unbalanced input of RCA jacks. Input signals to both channels are mixed together. The D-001R can process effect for TONE/EQ/COMPRESSOR to two inputs independently.



## SPECIFICATIONS

<b>Power Requirement</b>	+24 V DC, -24 V DC, +6 V DC
<b>Current Consumption</b>	20 mA (at +24 V DC), 20 mA (at -24 V DC), 60 mA (at +6 V DC)
<b>Input</b>	2 channels, 2 RCA/ch mixed, 10 k ohms, unbalanced, RCA pin jack
<b>Input Sensitivity</b>	-60, -54, -48, -42, -36, -30, -24, -18, -10 dB* (selectable)
<b>Frequency Response</b>	20 – 20,000 Hz, +1, -3 dB
<b>THD + N</b>	0.008% (at 1 kHz, 20 – 20,000 Hz BPF, Input sensitivity: -10 dB)
<b>S/N Ratio</b>	Over 70 dB (at 20 – 20,000 Hz BPF, Input short, Input sensitivity: -10 dB)
<b>Cross Talk</b>	Over 75 dB (at 20 kHz, Input sensitivity: -10 dB)
<b>A/D Converter</b>	24 bit $\Delta\Sigma$ ADC
<b>Sampling Frequency</b>	48 kHz
<b>Tone Control</b>	Bass: $\pm 12$ dB (at 100 Hz), Treble: $\pm 12$ dB (at 10 kHz)
<b>Parametric Equalizer</b>	10 bands, Frequency: 20 – 20,000 Hz BPF, 31 steps, Variable range: $\pm 12$ dB, Q: 0.3 – 5
<b>High-pass Filter</b>	-12 dB/oct, Variable frequency range: 20 – 400 Hz, 14 steps
<b>Low-pass Filter</b>	-12 dB/oct, Variable frequency range: 4,000 – 20,000 Hz, 8 steps
<b>Compressor</b>	Depth: 1 – 5
<b>Operating Temperature</b>	-10°C to +40°C
<b>Finish</b>	Panel: Aluminum, hair-line
<b>Dimensions</b>	35 (W) $\times$ 78 (H) $\times$ 91.5 (D) mm
<b>Weight</b>	82 g
<b>Accessory</b>	Module mounting screw $\times$ 2

\*0 dB = 1 V