sE Electronics

DM1

User Manual

Thank you!

We would like to thank you cordially for choosing this sE DM1! We hope you enjoy using it as much as we enjoyed designing and building it for you.

The DM1 is an active inline preamp intended to be inserted between a passive ribbon or dynamic microphone and a microphone preamplifier. Providing a robust 28dB of gain, the DM1 is the perfect way to boost the signal from a passive mic, reduce the likelihood of interference, and provide significantly improved level to your preamp – all without adding noise or coloration.

With a sophisticated class-A design and specially-selected high-grade FETs, the DM1 has the lowest self-noise in its class. Additionally, the 28dB of gain it provides is always a consistent 28dB regardless of the connected load, thanks to its dedicated output buffer amplifier. Its output impedance is also the lowest in its class, allowing it to drive long cable runs and reduce the likelihood of RF interference, buzz and hum.

Reliable operation even in demanding on-stage applications in difficult environments is ensured by the roadworthy and slim all-metal design, robust construction, and high-quality manufacturing standards.

*Note: the DM1 requires phantom power for operation but **does not work** with microphones than require phantom power, e.g. condenser microphones or some active ribbon microphones.*

Powering

To ensure proper operation, the DM1 requires a phantom power source providing 48 Volts according to IEC 61938.

Risk of Damage

Do not connect the DM1 to any power supply other than a phantom power source (input with phantom power or external IEC standard phantom power supply) with a floating connector, using a balanced cable with studio grade connectors to IEC 268-12 only. This is the only way to ensure safe and reliable operation.

Safety & Maintenance

Risk of Damage

Please make sure that the pieces of equipment to which your DM1 will be connected fulfil the safety regulations enforced in your country and are fitted with a ground lead.

This product conforms to the standards listed in the Declaration of Conformity. Technical data subject to change without notice.

Technical Specifications

Frequency range	10 – 120,000 Hz (-0,3 dB)
Gain	28 dB (load 1kohms)
Max output level (0.5% THD)	8.3 dBV (2.6 V)
Output noise level	9 µV (JIS-A)
Powering	48 Volts according to IEC 61938
Electrical Impedance	135 Ohms
Recommended load impedance	>1k Ohms
Current consumption	3.0 mA
Connectivity	3-pin male/female XLR connector
Dimensions	Diameter: 19 mm (0.75 in.) Length: 95.5 mm (3.76 in.)
Weight	80 g (2.82 oz.)

Support

In case you are experiencing any problems or have any questions regarding your sE product, please contact your dealer first for the fastest and more direct service. If an authorized service is required, it will be arranged by that dealer:
http://www.seelectronics.com/dealers

If you still have difficulties with support or assistance, please do not hesitate to contact us directly:
http://www.seelectronics.com/contact-us

Lastly, remember to register your new gear to extend your warranty to a full five years:
http://www.seelectronics.com/registration

Contact

Feel free to contact us:

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sE Electronics®

IMPORTANT

WARRANTY REGISTRATION

Thank you for purchasing an sE product! You are automatically entitled to a two-year warranty, but can extend this to a full three years with registration. To register your new equipment and to read the full warranty details, please go here:

http://seelectronics.com/registration

Most Sincerely,
Your sE Team