

SOUNDTRAXX™ DCC Product Data Sheet



DSD-101LC Digital Sound Decoder™

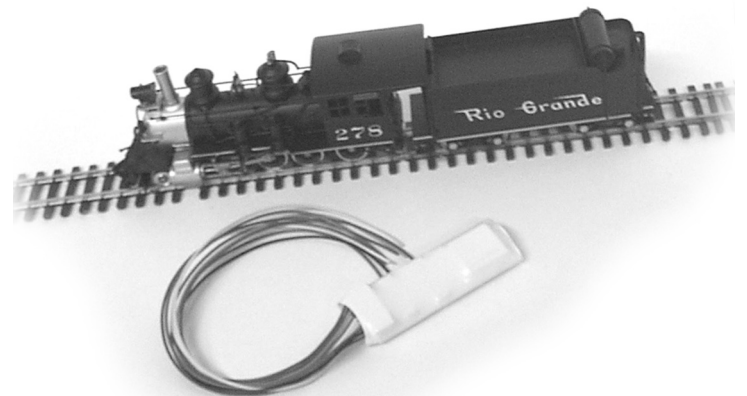
The DSD101-LC Digital Sound Decoder is a value-priced integrated sound and DCC decoder. The LC Series provides the same state-of-the-art sound effects you've come to expect from all of our Digital Sound Decoders in a small, all-inclusive package (1.9" X .65" X .29"). Each DSD installs inside your locomotive and integrates a digital sound system, lighting effects and a DCC decoder into a single, miniature electronic module.

- **High Quality Digital Sound with three selectable horns or whistles**
- **NMRA-compatible 8-pin plug for easy installation**
- **Hyperlight lighting effects**
- **Three steam and three diesel prototype sounds**
- **Small size suitable for a variety of models**
- **1 amp motor drive**
- **Compatible with the NMRA DCC Standards and Recommended Practices**

The Digital Sound Decoder That Everyone Can Afford!

The DSD101-LC Digital Sound Decoders provide many of the same sound effects found in our premium sound decoders. Our steam model provides Exhaust Chuff, Bell, Airpumps and three Whistles. It is available in Light, Medium and Heavy steam versions. The diesel models provide Diesel Exhaust including startup and shutdown, Bell, Dynamic Brakes and three Airhorns and are available in three popular prototype prime movers; EMD 1st generation, EMD 2nd generation and ALCO.

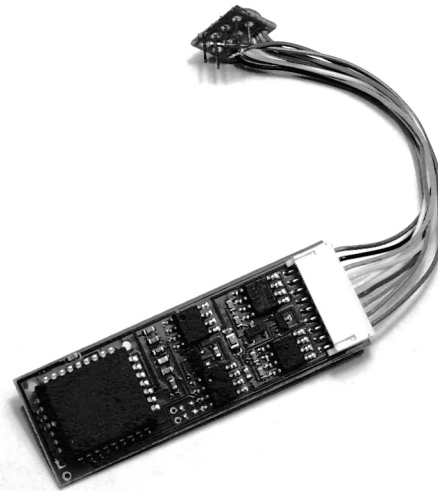
And the DSD-101LC sound effects aren't just simple playback loops. Each effect is interactive and will respond to you, the engineer, just like the prototype. The airpumps, for example, will increase speed, building up pressure as the braking effort is applied. The duration of the whistle or airhorn is directly related to how long the key is held, allowing for long or short whistles at will. You won't believe how incredibly alive your locomotive will become!



Once installed, the DSD-101LC with its three horns and whistles built in, will give your switcher, freight and passenger engines each a different sound!

The DSD-101LC also includes two functions to use as Directional or 'Rule 17' headlights or backup lights or one of the many selectable Hyperlight effects available.

The SoundTraxx DSD is manufactured in the U.S. Contact SoundTraxx or your authorized SoundTraxx dealer.



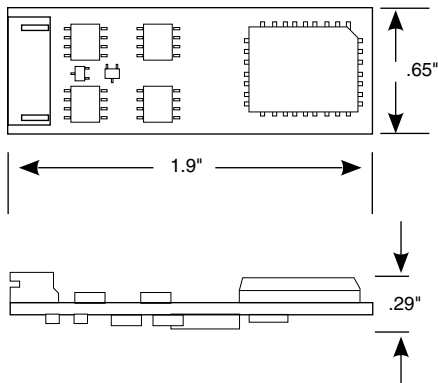
PRODUCT SPECIFICATIONS

DECODER FEATURES:

- Compatible with the NMRA DCC Standards and Recommended Practices
- Supports short address modes for compatibility with 'simple' systems
- Supports extended address modes for addressing any locomotive number up to 9,999
- Supports advanced consist addressing
- Supports 'Operation Mode Programming' allowing CVs to be changed on the mainline without the use of a programming track

THROTTLE FEATURES:

- Supports 14, 28, and 128 speed step modes
- Speed interpolation provides smooth 128 speed step response in any mode
- Programmable acceleration, deceleration, starting voltage
- 15 pre-programmed speed tables and 1 user programmable speed table
- 1 amp motor driver



NOTE: Model DSD-101LC is designed to work at N and HO track settings only. Not for use with track voltages above 16 volts.

Specifications effective January 15, 2009 and are subject to change without notice.

LIGHTING FEATURES:

- Two Hyperlight Outputs
- 100mA driver current
- Directional and 'Rule 17' operation
- 14 Lighting Effects

SOUND FEATURES:

- High quality digital sound
- Adjustable volume control
- One watt audio amplifier
- Polyphonic Sound Processor

STEAM SOUND EFFECTS:

- Exhaust Chuff
- Bell
- 3 Selectable Whistles
- Airpump
- Auto-Exhaust™ chuff synchronization

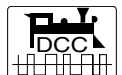
DIESEL SOUND EFFECTS:

- Engine Exhaust
- Engine Startup and Shutdown
- Bell
- 3 Selectable Airhorns
- Dynamic Brakes

Ordering information

P.N.	Description
820111	DSD-101LC for Light Steam Locomotives
820112	DSD-101LC for Medium Steam Locomotives
820113	DSD-101LC for Heavy Steam Locomotives
820120	DSD-101LC for EMD 1st generation Diesels
820121	DSD-101LC for ALCO Diesels
820122	DSD-101LC for EMD 2nd generation Diesels
820124	DSD-101LC for EMD 1st generation/Canadian Horns

COMPATIBLE WITH
NMRA DCC STANDARDS AND
RECOMMENDED PRACTICES



SOUNDTRAXX®
New Dimensions in Digital Sound Technology