

SOUNDTRAXX™ DCC Product Data Sheet



DSD-100LC Digital Sound Decoder™

The DSD100-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").

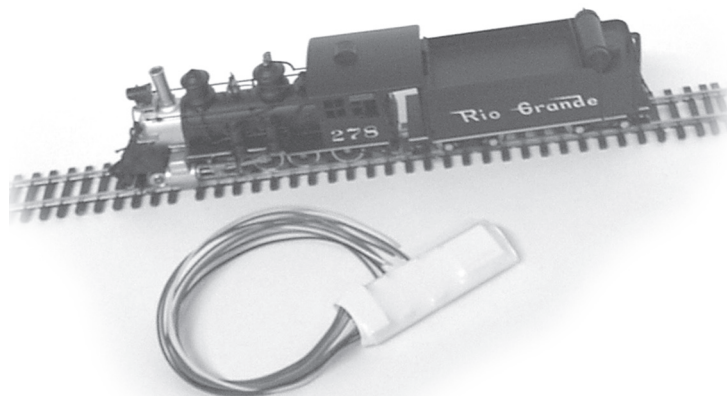
- **High Quality Digital Sound with three selectable horns or whistles**
- **Small size for easy installation**
- **1 amp motor drive**
- **Compatible with the NMRA DCC Standards and Recommended Practices**

The DSD100-LC Digital Sound Decoder is a state-of-the-art module providing the benefits of today's DCC technology with the addition of high quality, digital onboard sound. Each DSD installs inside your locomotive and integrates a digital sound system, lighting effects and a DCC decoder into a single, miniature electronic module.

The Digital Sound Decoder That Everyone Can Afford! to

The DSD100-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 representing light, medium and heavy steam. The diesel model provides Diesel Exhaust, Bell, Dynamic Brakes and three Airhorns.

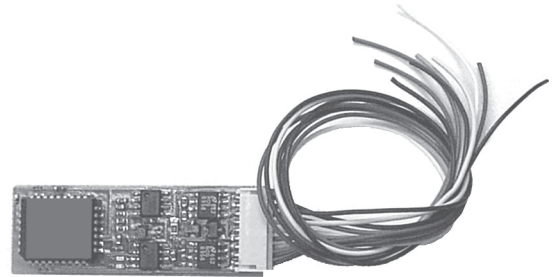
And the DSD-100LC sound effects aren't just simple playback loops. Each effect is interactive and will respond to you, the engineer, just like the prototype. The airpumps, for example, will increase speed, building up pressure as the braking effort is applied. The duration of the whistle or airhorn is 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-100LC with its three horns and whistles built in, will give your switcher, freight and passenger engines each a different sound!

The DSD-100LC also includes two functions to use as Directional or 'Rule 17' headlights or backup lights.

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



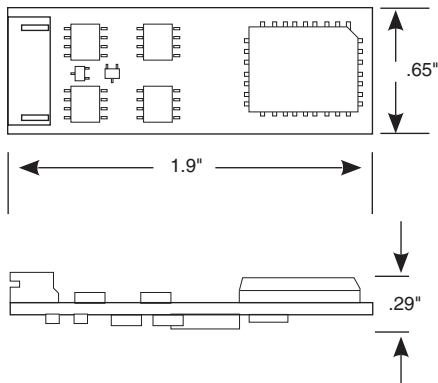
PRODUCT SPECIFICATIONS

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-100LC is designed to work at N and HO track settings only. Not for use with track voltages above 16 volts.

Specifications effective July 15, 2000 and are subject to change without notice.

LIGHTING FEATURES:

- Headlight
- Backup Light
- 100mA driver current
- Directional and 'Rule 17' operation

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
- Bell
- 3 Selectable Airhorns
- Dynamic Brakes

Ordering information

P.N.	Description
820001	DSD-100LC for Steam Locomotives
820002	DSD-100LC for Diesel Locomotives
140068	DSD-LC Series Owners Manual
140069	DSD-100LC Technical Reference

COMPATIBLE WITH
NMRA DCC STANDARDS AND
RECOMMENDED PRACTICES



SOUNDTRAXX™
New Dimensions in Digital Sound Technology