

# LokSound Select Direct – On Size Fits ALL!



**LOKSOUND**  
SELECT



Athearn



Atlas



Intermountain



Bowser

▶ Having trouble trying to decide what decoder will fit in your favorite engine? Now with the NEW LokSound Select Direct Decoder your troubles are over! The Select Direct was designed to fit as a DIRECT replacement for many modern lighting boards including Athearn Genesis, Atlas, Bowser-Stewart, and Intermountain.

The LokSound Select Direct is a versatile DCC & DC "Dual Mode" decoder integrating a full-featured, 8 channel sound system, six lighting outputs and a 1.1A motor controller. While the LokSound Select only measures (0.67x2,72inch/17x69mm), due to its unique thermal design, it (like all genuine LokSound decoders) does not need any heat sinks.

Like the Original LokSound Select and the New LokSound Version 4.0, we offer a comprehensive range of new high-power speakers, rated at 4 Ohms.

## Operational modes

The LokSound Select can be used on conventional "analog" layouts and controlled with a DC power pack, but to benefit from all its features, we highly recommend DCC operation.

The LokSound Select follows all NMRA DCC standards and recommended practices. It can be used with 14, 28 or 128 speed steps, supports two digit (7 bit addresses) as well as "4-digit" addressing. Up to 29 function keys are supported! The LokSound Select can change between DC and DCC operation at any time "on the fly".

Of course, the LokSound Select supports all DCC-programming modes including Programming on the Main Track ("POM"). Because of its unique low-power design, the LokSound Select can be programmed on the programming track of all popular DCC systems. No programming track boosters or other circuitry will be needed.

## Sound

The LokSound Select comes with a 32 MBit memory chip. The sounds stored therein are our own recordings which were made by using the latest recording equipment and have been digitally re-mastered for the best audio possible. The sounds are transferred to a class "D" audio amplifier via eight polyphonic sound channels. LokSound Select Direct decoders offer the following unique features:

- Multiple horns: Each LokSound Select offers many horns. By just changing one CV, you can select your favorite one. This allows an easier adjustment to your model.
- Playable horns: The LokSound Select supports a very fast responding whistle function. By just pressing your throttle's button, you can really blow the horn like the real engineer.
- 8 channel sound: The LokSound Select can playback up to 8 sounds at the same time. This will result in the most realistic experience available today.
- Synchronized brake squeal: The LokSound Select will synchronize the brake squeal sound with the real movement of the locomotive. No longer will stopped trains have the brake sound still on!
- Manual notching: The diesel speed steps can be either manually controlled by function keys or automatically based on the speed.
- Individual volume control: The volume of all sound effects can be adjusted individually.

**Diesel decoders** can produce over 20 sound effects, including the engine start-up and shutdown, prime mover sounds through all eight notches, bell, air horn, air compressor, dynamic brakes, fans, brake squeals, coupling and uncoupling, detector sounds, rail clank and many more.

[www.loksound.com](http://www.loksound.com)

# LokSound Select Direct – On Size Fits ALL!

## Customize your sounds

Unlike all other manufacturers, LokSound Select offers you two options to customize your engine. The most simple is by using one (!) CV. You can select the prime mover sound, the desired whistle or horn and the bell. Each LokSound Select offers various options on that (see table below). However, if you are still unsatisfied with the result, you may at any time use the famous LokSound Programmer to download new sounds into the LokSound Select. We offer numerous "ready-made" sound packages for easy downloading.

## Superior motor control

ESU offers load compensation (using B-EMF) since 1999. While other manufacturers seem only to focus on the sound options, the LokSound Select offers the 5th generation of motor control resulting in a smooth and precise locomotive operation. We at ESU believe that good motor control is mandatory for model trains: Even the best sound is worthless if the locomotive running is not smooth!

Regardless if you are using coreless or conventional DC motors, the LokSound Select's unique auto-detection function can measure the characteristics and adjust the internal settings. There is no need to fiddle around with many CVs to adjust to the engine. Due to Dynamic Drive Control (DDC) you can limit the influence of the load control and operate really smoothly around the yard and over turnouts.

## Shining lighting effects

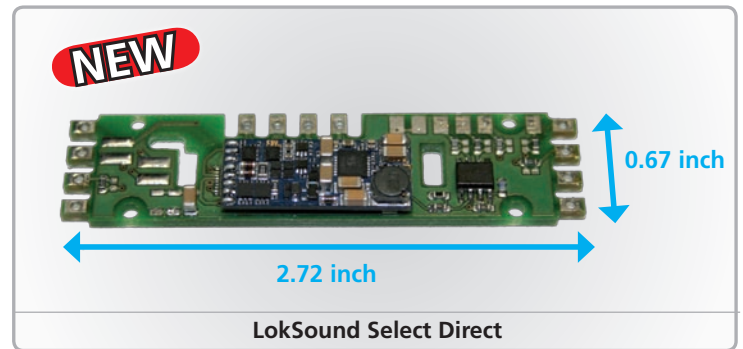
Each LokSound Select include 6 (!) outputs with 0.25A current each that can be allocated individually to a light effect, which simulates the light patterns of many popular warning beacons. Besides D312 Rotary beacon, strobe and alternate flashing, there is a firebox flicker, smart flicker, Mars light, Gyralight, Ditch lights (two types), Oscillating Headlights, Stratolight and many more.

The Rule 17 dimmable headlight can be either controlled automatically or by function button. An LED brightness correction feature now also allows using LEDs for lighting effects! This is an important feature since LEDs do behave different than bulbs.

## You NOW have a CHOICE!

Having trouble with "Factory Installed DCC"? You now have a choice! The LokSound Select Direct was designed to fit the light board mounts of many major manufacturers including Athearn Genesis, Atlas, Bowser-Stewart, and Intermountain.

With its unique design, the LokSound Select Direct can easily replace boards that provide poor motor control, low volume, or generally inferior sound. Not only will the decoder work fine with most factory installed speakers, but it will sound even better with our 4 Ohm speakers listed below! You pay a lot of money for your favorite trains! Give them a chance to run and sound as good as they look!



## Ordering information

Article No.	Novelty	Delivery date	Description	Prime Mover Sound#1	Prime Mover Sound#2	Prime Mover Sound#3	Prime Mover Sound#4
73700	2011	Q3/11	LokSound Select Direct Blank Ready for Programming				
73701	2011	Q3/11	LokSound Select Direct Alco 244	Alco 244 V12 cylinder	Alco 244 V16 cylinder		
73702	2011	Q3/11	LokSound Select Direct Alco 251	Alco 251 V12 cylinder	Alco 251 V16 cylinder	Alco 251 6T	
73703	2011	Q3/11	LokSound Select Direct GE FDL	GE FDL 16	GE FDL 12		
73704	2011	Q3/11	LokSound Select Direct GE 7FDL	GE 7FDL-12	GE 7FDL-16	GE 7FDL-16A	
73705	2011	Q3/11	LokSound Select Direct Baldwin switcher	Baldwin 606/606NA	Baldwin 606SC/606A		
73706	2011	Q3/11	LokSound Select Direct EMD 567	EMD 567 16	EMD 567 16T	EMD 567 12	EMD 567 12T
73707	2011	Q3/11	LokSound Select Direct EMD 645E	EMD 8-645E Non-Turbo	EMD 12-645E Non-Turbo	EMD 16-645E Non-Turbo	
73708	2011	Q3/11	LokSound Select Direct EMD 645E/F	EMD 16-645E W/Turbo	EMD 16-645F W/Turbo	EMD 20-645E W/Turbo	
73709	2011	Q3/11	LokSound Select Direct EMD SDACE/SD70M-2	EMD 710G3C-T2			
73710	2011	Q3/11	LokSound Select Direct EMD 710GB	EMD 12-710GB	EMD 16-710GB	EMD 20-710GB	
73711	2011	Q3/11	LokSound Select Direct diverse switchers	Alco 539 6Cyl	GE Cat 44	FM H24-66	
73721	2011	Q3/11	LokSound Select Direct Diesel GE U50	Twin FDL16 Primovers			
73722	2011	Q3/11	LokSound Select Direct Diesel Hybrid-Genset	Cummins QSK19C (x3)			
73723	2011	Q3/11	LokSound Select Direct Diesel Gevo	GE Gevo-12			
50334	2009	Q3/09	Loudspeaker 20mmx40mm, square, 4 ohms, with sound chamber				
50333	2009	Q3/09	Loudspeaker 28mm, round, 4 ohms, with sound chamber				
50332	2009	Q3/09	Loudspeaker 23mm, round, 4 ohms, with sound chamber				
50331	2009	Q3/09	Loudspeaker 20mm, round, 4 ohms, with sound chamber				
50330	2009	Q3/09	Loudspeaker 16mmx25mm, square, 4 ohms, with sound chamber				
50328	2011	Q1/11	Two loudspeakers 13mm, 8 ohms, round, 1~2W, with sound chamber				
50327	2011	Q1/11	Two loudspeakers 16mm, round, 8 Ohms, 1~2W, with collective sound chamber				
51953	2009	Q3/09	Wire harness, 88mm length, 8 pin NMRA plug to 9 pin JST connector				

All LokSound Select decoders are shipped without speakers. You may use any high-power speaker rated 4 ohms or 8 ohms, but we highly recommend to use the ESU speaker range. Each LokSound select decoder offers at least two prime mover sounds and a wide range of horns or whistles to select from.

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