



Quick Start Guide: Atlas Gold Series Diesels Equipped with LokSound® Select Sound Decoders

Congratulations on purchasing an Atlas Gold Series locomotive that is equipped with an ESU LokSound® Select sound decoder, an easy to use, versatile, and feature packed Dual-Mode (DC or DCC) sound decoder. The information in this section is designed to get you running your new sound decoder-equipped diesel locomotive as quickly as possible, whether you are using conventional DC or DCC.

Running the Locomotive on DC*

- Use a standard variable-voltage DC power pack.
- Set the direction switch to run your locomotive forward.
- Turn the DC throttle up slowly until you begin to hear locomotive sounds (around 5 volts). You will hear the diesel engine start-up sequence, which lasts about 25 seconds. Note that the locomotive will not move until the start-up sequence is completed.
- After the start-up sequence has been completed, turn up the throttle voltage until the locomotive starts to move forward. To make the locomotive move, you will have to turn the throttle to a higher setting (around 7 volts) than you would to start a DC locomotive that is running on DC power. The directional headlight that points in the direction of movement will turn from Dim to Bright and locomotive sounds will continue.
- The locomotive will start out slowly due to built-in inertia that resists rapid changes in speed.
- As you slow the locomotive down by gradually reducing the throttle, squealing brake sounds will occur shortly before the locomotive stops.

Running the Locomotive on DCC – Basic Operation

- Place the locomotive on your DCC equipped layout.
- Select locomotive address #3 on your DCC system (this is the factory default address).
- Press F8 to turn sound on and initiate the startup sequence, then operate as desired (see function list).

* to take full advantage of the features of this locomotive Atlas recommends the use of a DCC system.

Atlas Model Railroad Company, Inc.
 378 Florence Ave. Hillside, NJ 07205 USA
 Phone: (908) 687-0880 Fax: (908) 851-2550
www.atlasrr.com

Function List (your locomotive may or may not support all functions)

F0	Headlights Front/Rear	F16	
F1	Bell	F17	Brake Set/Release
F2	Horn	F18	Sanding Valve
F3	Coupler	F19	Short Air Let Off
F4	Dynamic Brake	F20	Compressor
F5	Auxiliary Lights if equipped	F21	Slow Spitter Valve
F6	Auxiliary Lights if equipped	F22	
F7	Isolation Switch	F23	
F8	Startup/Shutdown/Mute	F24	
F9	Drive Hold	F25	
F10	Independent Brake	F26	
F11	Fan Sound	F27	
F12	Dimmer	F28	
F13		F29	
F14		F30	
F15		F31	

Common CVs

(See ESU documentation for a full listing)

CV	Description	Default Value
CV1	Short Address	3
CV2	Starting Voltage (1-255)	3
CV3	Acceleration Rate (0-255)	80
CV4	Deceleration Rate (0-255)	80
CV17	Long Address	192
CV18	Long Address	128
CV63	Master Volume (0-192)	192
CV124	Disable Startup Delay (write 0 to this CV)	20

Decoder Reset Procedure

- Place the locomotive on your programming track or main track.
- Be sure to select the proper address if using your main track with other locomotives.
- Write a value of 8 to CV8.
- Remove the locomotive from the track, or tilt the locomotive so that all the wheels on one side are off the track for 5-10 seconds. This is very important, the power must be cycled for a successful reset.
- Note that this will set the address back to the default of 3.

For more information please visit:
<http://www.atlasrr.com>
<http://www.esu.eu/en/downloads/>