

Special Procedure for Operations Mode Programming of Short or Extended Addresses with Atlas and Atlas O Gold Series Sound-Equipped Locomotives (DCC only)

If you wish to use Operations Mode (Ops Mode) programming (programming on the main line) to program an Extended ID (4-digit address) when your Atlas Gold Series locomotive is currently using a Short (2-digit) address or vice versa, the following special procedure must be followed with most Command Stations. In particular, you must use this procedure for address programming on the main line if you have a Digitrax, MRC Prodigy (Advance, Advance², Wireless, or Express), or NCE DCC system.

Note: This procedure applies to all Atlas Gold Series locomotives, both HO and Two-Rail O-scale.

1. Operate the locomotive on the main line using its current DCC address
2. If you cannot determine the DCC address that will run the locomotive, transfer the locomotive to a **DC-powered** Track, and reset the Quantum System decoder using the magnetic wand. Follow the magnetic wand reset procedure (described in another Atlas procedure document or in the locomotive-specific manual that was included with your locomotive). In doing this reset, make sure to increase **gradually** the DC track voltage from 0 to about 8 volts (HO scale) or from 0 to about 10 volts (O scale). After the reset, make sure that the locomotive can be operated using the default DCC address "3."
3. Disable verbal announcements by using Operations Mode programming to set CV 62 to 0. Since you have just disabled verbal announcements, you **will not hear** any verbal confirmation of the value of 0 that you wrote into CV 62.
4. Follow the procedure in your DCC system manual for programming a new address using Operations Mode programming on the main line. If you are programming a long address, make sure that you activate this long address. In particular, if you have a Digitrax DCC system, be certain to press the "Y+" key IMMEDIATELY after you see "Ad4on?=y" displayed on the DT400 throttle screen.
5. Change your DCC system from its configuration for Operations Mode programming to the configuration for running a locomotive on the main line (if your DCC system doesn't perform this reconfiguration automatically).
6. Verify that the locomotive can operate on the main line using its new address.
7. If the locomotive responds properly to the new address, re-enable verbal announcements by using Operations Mode programming to set CV 62 to 1. In this case, you **will hear** verbal confirmation of the CV 62 value of "1" that you just entered since you have re-enabled verbal announcements

If you have a Lenz or other DCC system that does not support address programming on the main line, the above procedure will **not** work. In such a case, use one of the two alternate procedures that are described in your Atlas Gold Series Locomotive Owner's Manual. There is one procedure for programming the short address and another for programming the long address, as shown below:

- "Alternate Procedure for Entering Short (Primary) Address in CV 56.129.1 in Ops Mode"
- "Alternate Procedure for Entering Long (Extended) Address in CV 56.129.17 in Ops Mode"

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