



Setting Addresses and Direction

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Setting the ADiA's three independent addresses.

Using only ONE address? You may sometimes only need to use one address. If so, so that there is no later conflict, set addresses two and three to an address above the range you will use for other accessories. (ADiA's default addresses are 1, 10,100)

(example, if you are using say 1 ~ 100 for turnouts, set them to any address you wish to use above 100)

How to set an ADiA address:

- Decide the number you want to use (1~2044)
- If not already installed, connect that ADiA to the MAIN power bus and turn on your DCC system.
- Using a toothpick or similar, move the relevant tab on the DIP switch to the SET position.
- Now, follow your DCC controller's instructions for changing a turnout using the address that you wish the ADiA to respond to. *(Repeat this twice. i.e change left and then to change right.*
- Return the switch to the RUN position.
- Your ADiA will now respond to that address.
- If needed, repeat the above instructions for each of the 3 available independent addresses.

Important:

- Do NOT try to set more than 1 address at a time.
- All Switches must be set to RUN to operate ADiA.

Setting the "Throw" direction for each address.

It is convenient to swap throw direction by command rather than needing to swap wires, and it is essential when using the 3 addresses to set routes or interlock special pointwork such as 3-ways and slips.

How to change throw direction for each address.

- Decide which address needs to change direction.
- If not already installed, connect that ADiA to the MAIN power bus and turn your DCC system on.
- Using a toothpick or similar, move the relevant tab on the DIP Switch to the SET position.
- Now, using your DCC Controller, go to "Program on the main". (On ECoS and Z21, use the Loco Program on main screen)
- If prompted for an address, use the address for the motor you are setting OR any address not used in locos or other accessories on the layout.
- In the Set CV screen, choose CV57 for address #1, CV58 for address #2 or CV59 for address #3.
- Set the CV to 0 for normal, or to 1 for reverse.

How to change IR reaction speed and sensitivity. (Motor movement start after Sensor is triggered).

- As above, but use CV 60. The range is 1ms to 255ms, and the ex-factory default setting is 20

How to restore your ADiA to ex-factory settings.

- As above, then set CV63 to a value of 36.