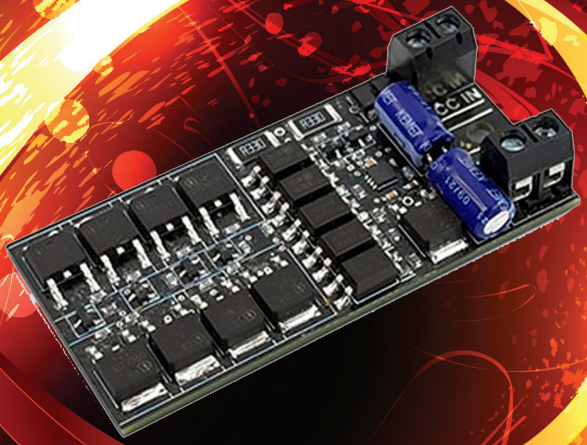
INFINITY ∞

MODEL RAILWAY CONTROL [and beyond]



GAUGEMASTER

GMI-D32 Reverse Loop Module
Full Instructions

INTRODUCTION

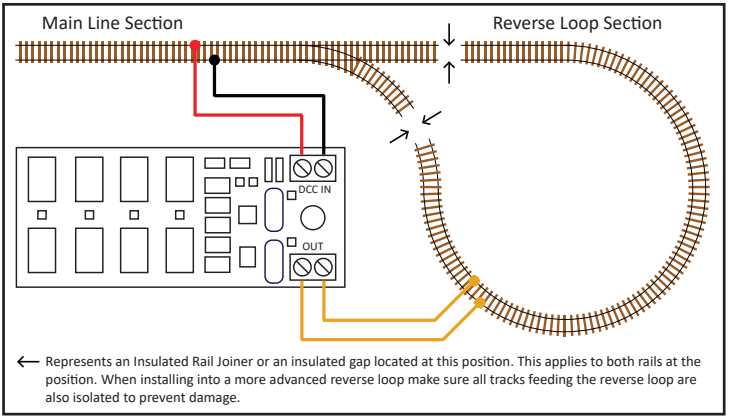
Thank you for purchasing this Gaugemaster Infinity Digital Reverse Loop Module. This guide takes you through all the necessary instructions for this unit, as well as other scenarios, uses and wiring options.

Additional help can be obtained by contacting us through our website or by emailing our customer service team on hello@gaugemaster.co.uk. Alternatively you can contact us by phone on +44 (0) 1903 884321.

This unit is designed to control and automate a reverse loop section on a digital layout. When a locomotive or multiple unit enters the isolated section, the unit will automatically correct the track polarity as required.

Power Input: Gaugemaster Infinity Digital Accessory Bus

This unit is also suitable for use with other systems. Check system instructions or contact the manufacturer for installation advice.



← Represents an Insulated Rail Joiner or an insulated gap located at this position. This applies to both rails at the position. When installing into a more advanced reverse loop make sure all tracks feeding the reverse loop are also isolated to prevent damage.

Basic Connections.

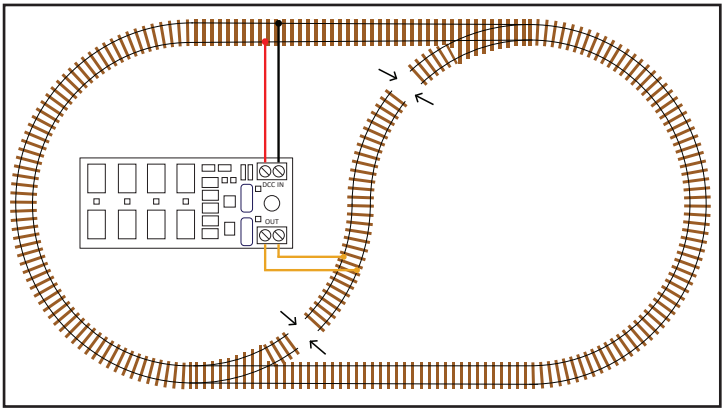
When connecting up the module, simply connect the “DCC IN” to a section of track or track feed close to the sight of the Reverse loop. If this is not possible, you can run these cables back to connect directly to your Gaugemaster Infinity Base Unit output. The “OUT” terminals connect to the isolated section of the reverse loop.

Advanced Reverse Loops.

There are scenarios where a reverse loop can be created without looking like a traditional loop. It is impossible to highlight every possible option as this is endless, but we have covered the more common scenarios here. The following diagrams all show the isolation positions with a break in the rails and arrows highlight this too. Remember both rails need isolating.

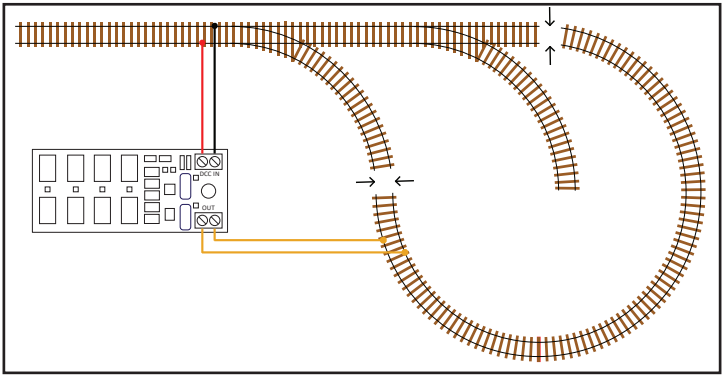
The Double Reverse Loop.

One of the most common ‘hidden’ reverse loops is when connecting two sides of an oval. This effectively creates two reverse loops on top of each other and requires wiring as below:



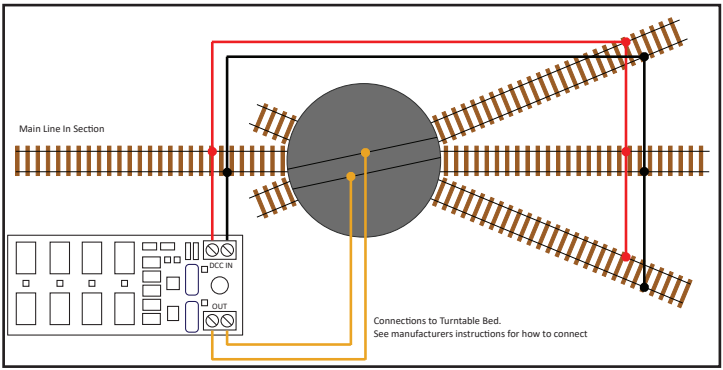
Sidings Within A Reverse Loop.

If sidings are included in the loop itself, it is best to keep them out of the isolated section. Simply isolate before or after the point(s) feeding the sidings and connect the Reverse Loop Module as standard.



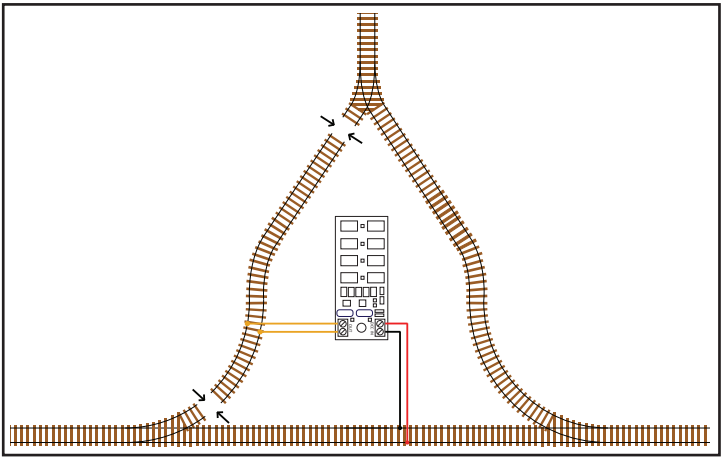
Turntables.

Turntables too suffer from polarity inversion when they rotate past the 179° mark. Again, this is fixed with a Reverse Loop Module.



Triangles.

Another area that suffers from the same polarity switching issue as a reverse loop is a triangle set-up. This is fixed in the same way; with a Reverse Loop Module.



This product is not a toy and contains small parts which may harm or choke a child. Not recommended for children under 14 years old unless supervised by an adult.

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