

SCARM TUTORIAL 1-02

Welcome to the RealTrax Tutorial using the SCARM computer aided model railroad design program. This tutorial shows how to design model railroads using the MTH/RailKing RealTrax O scale product. All examples shown in this tutorial are based on the use of the MTH-O-RT library of symbols.

This tutorial shows how to build a layout using the various track segments available from RailKing.

SCARM is a freeware product provided by Milen Peev who is the author and developer.

SCARM is an abbreviation for *Simple Computer Aided Railway Modeller*.



**RealTrax Tutorial using SCARM
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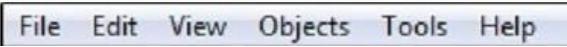
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Sample RealTrax Layout 2:

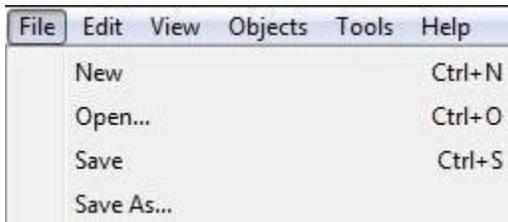
Example 2 is intended to show how to build a layout design including crossover turnout tracks using the SCARM software. This example uses SCARM version 0.9.22 and the MTH-O-RT track library. A complete track list is provided in this Tutorial. It is suggested that the modeler review SCARM Tutorial 1-01 (Example 1) which describes basic layout design techniques using SCARM.

To begin select MTH RealTrax system – [O] from the SCARM library. This library can be accessed by clicking on the small “down” arrow just below the tool bar (on the left hand side of the screen).

Now that the MTH-O-RT library has been selected it is time to create a File Name. A file name is created by clicking on File from the Menu Box and then New.

Menu Box: 

File - New - Creates a New layout. The previous loaded track design will be removed.



Once a New file has been created this file is then saved by clicking on File and then Save As.

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The following illustrations show the steps used to build a double loop layout with two crossovers using the MTH-O-RT library.

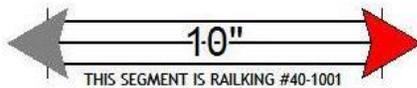
Step 1:

First click on the red "arrow" symbol at the top tool bar. Then place the arrow at the desired coordinates. Using the mouse place the arrow at 10 right and 10 down. Click to place. You will now be able to attach a track segment at this location.



Step 2:

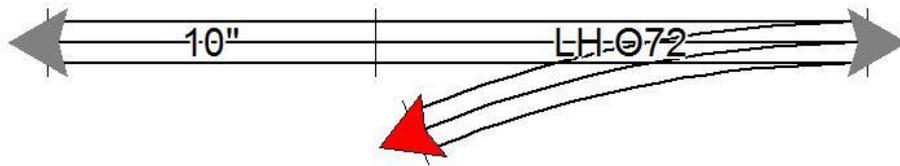
Click on the desired symbol shown in the track library. A 10 inch track segment #40-1001 is shown in this example. If you do not see the desired symbol then scroll up or down until the desired track segment is shown. To scroll the library click on the upper or lower arrow. Another way is to use the "wheel" on the mouse. You can check the model number of the track segment by moving the mouse over the track segment icon.



THE 10" TRACK SEGMENT HAS BEEN SELECTED

Step 3:

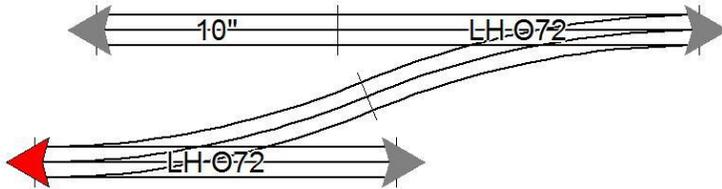
Crossovers will be created using LH O72 and RH O72 turnout track segments. Place a LH O72 turnout. This turnout is RailKing #40-1021. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the straight track segment. An alternate way to place a track segment is to "drag" and "drop" the segment. Left click on the desired segment and then drag into position to allow the segment to "snap" into place. An alternate way to place a track segment is to "drag" and "drop" the segment. Left click on the desired segment and then drag into position to allow the segment to "snap" into place.



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Step 4:

Crossovers will be created using LH O72 and RH O72 turnout track segments. Place another LH O72 turnout. This turnout is RailKing #40-1021. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the LH O72 turnout track segment. An alternate way to place a track segment is to “drag” and “drop” the segment. Left click on the desired segment and then drag into position to allow the segment to “snap” into place.

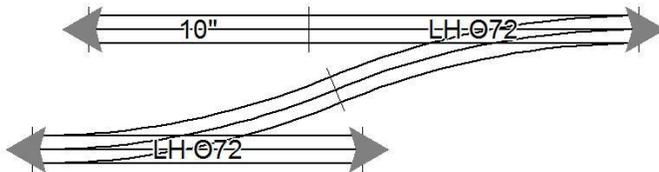


Step 5:

Next click on the red “arrow” symbol at the top tool bar.

Using the mouse place the arrow at 35 right and 25 down. Click to place.

You will now be able to attach a track segment at this location.

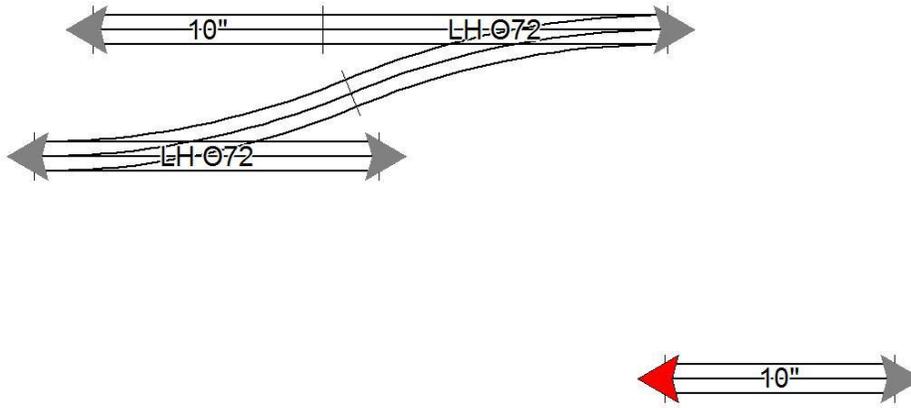


ATTACH A 10" SEGMENT HERE

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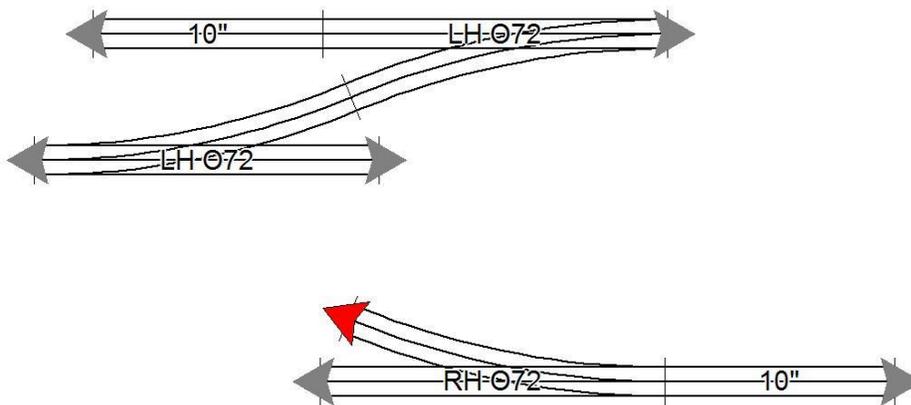
Step 6:

Attach a 10" track segment as shown.



Step 7:

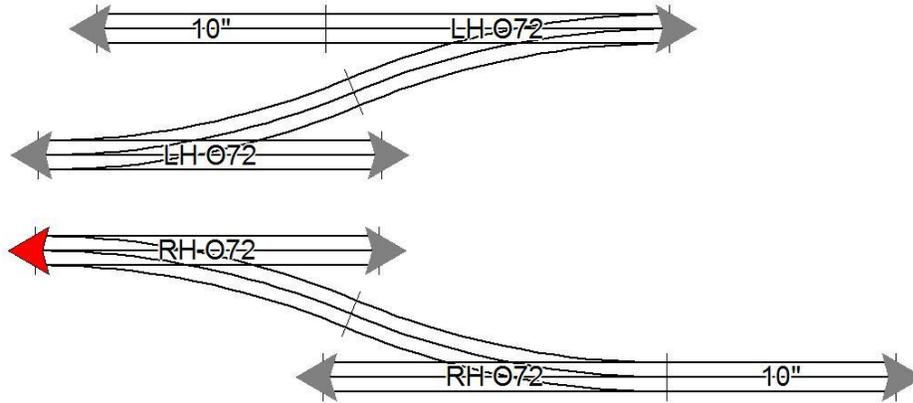
Crossovers will be created using LH O72 and RH O72 turnout track segments. Place a RH O72 turnout. This turnout is RailKing #40-1020. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the 10" track segment.



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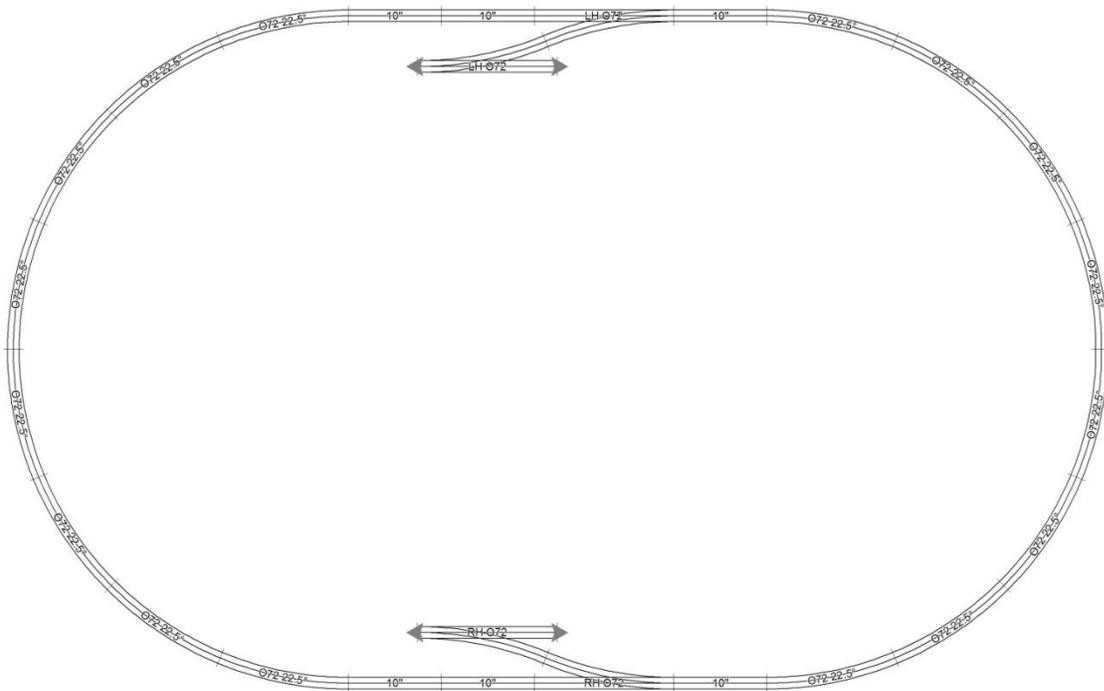
Step 8:

Crossovers will be created using LH O72 and RH O72 turnout track segments. Place another RH O72 turnout. This turnout is RailKing #40-1020. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the RH O72 turnout track segment.



Step 9:

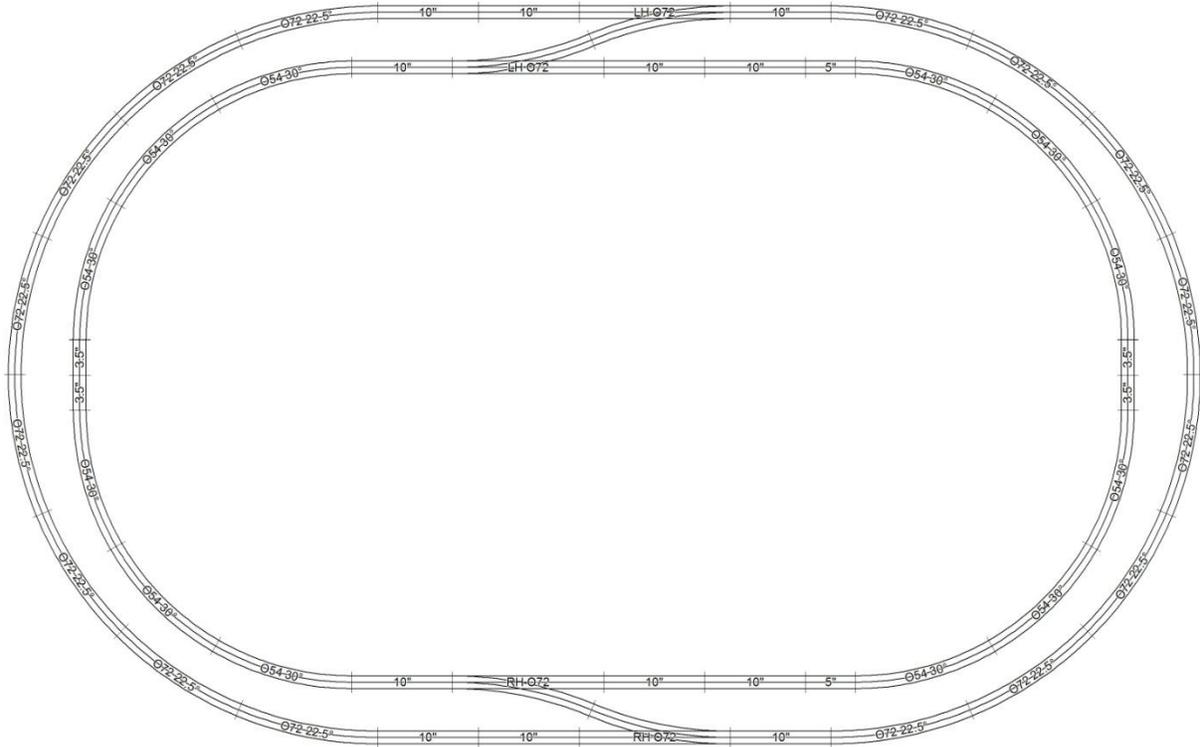
Now that the crossovers have been assembled they will be combined in to a layout having two loops. The outer loop will use O-72 curve track segments. The inner loop will use O54 curve track segments.



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Step 10:

The inner loop will use O-54 curves. Straight segments have been selected to complete the inner loop. The double loop layout is now complete.



MTH-O-RT TUTORIAL 1-02 RealTrax Double Oval Layout Parts List

No.	Image	Number	Name	Scale	Mfr	Pcs.	Notes
1		40-1001	10"	O	MTH	12	
2		40-1010	O72 22.5°	O	MTH	16	
3		40-1016	5"	O	MTH	2	
4		40-1018	3.5"	O	MTH	4	
5		40-1020	RH O72	O	MTH	2	
6		40-1021	LH O72	O	MTH	2	
7		40-1054	O54 30°	O	MTH	12	