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

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

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.*

Atlas O Tutorial using SCARM
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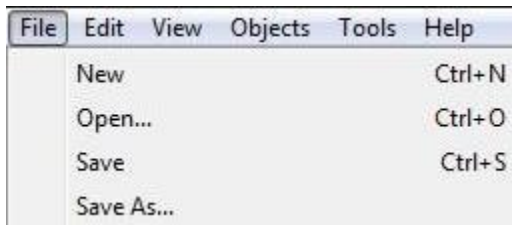
Sample Atlas O Layout 2:

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 Atlas O 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 ATLAS O system 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 ATLAS O library has been selected it is time to create a File Name. A file name is created by clicking on <u>File</u> from the Menu Box and then <u>New</u>.

Menu Box: | File Edit View Objects Tools Help

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

File	Edit	View	Objects	Tools	Help	
New						Ctrl+N
Open...						Ctrl+O
Save						Ctrl+S
Save As...						

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

The following illustrations show the steps used to build a double loop layout with two crossovers using the ATLAS O 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.

THIS IS THE "NEW START POINT" SYMBOL
(COORDINATES 10, 10 IN)

Step 2:

Click on the desired symbol shown in the track library. A10 inch track segment #6050 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.

Step 3:

Crossovers will be created using LT O72 and RT O72 turnout track segments. Place a LT O72 turnout. This turnout is Atlas O #6072. 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.

Step 4:

Crossovers will be created using LT O72 and RT O72 turnout track segments. Place another LT O72 turnout. This turnout is Atlas O #6024. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the LT 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.

Step 6:

Attach a 10" track segment.

Step 7:

Crossovers will be created using LT O72 and RT O72 turnout track segments. Place a RT O72 turnout. This turnout is Atlas O #6024. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the 10" track segment.

Step 8:

Crossovers will be created using LT O72 and RT O72 turnout track segments. Place another RT O72 turnout. This turnout is Atlas O #6024. The turnout can be placed three different ways. Select the turnout segment symbol that will connect with the RT O72 turnout track segment.

Step 9:

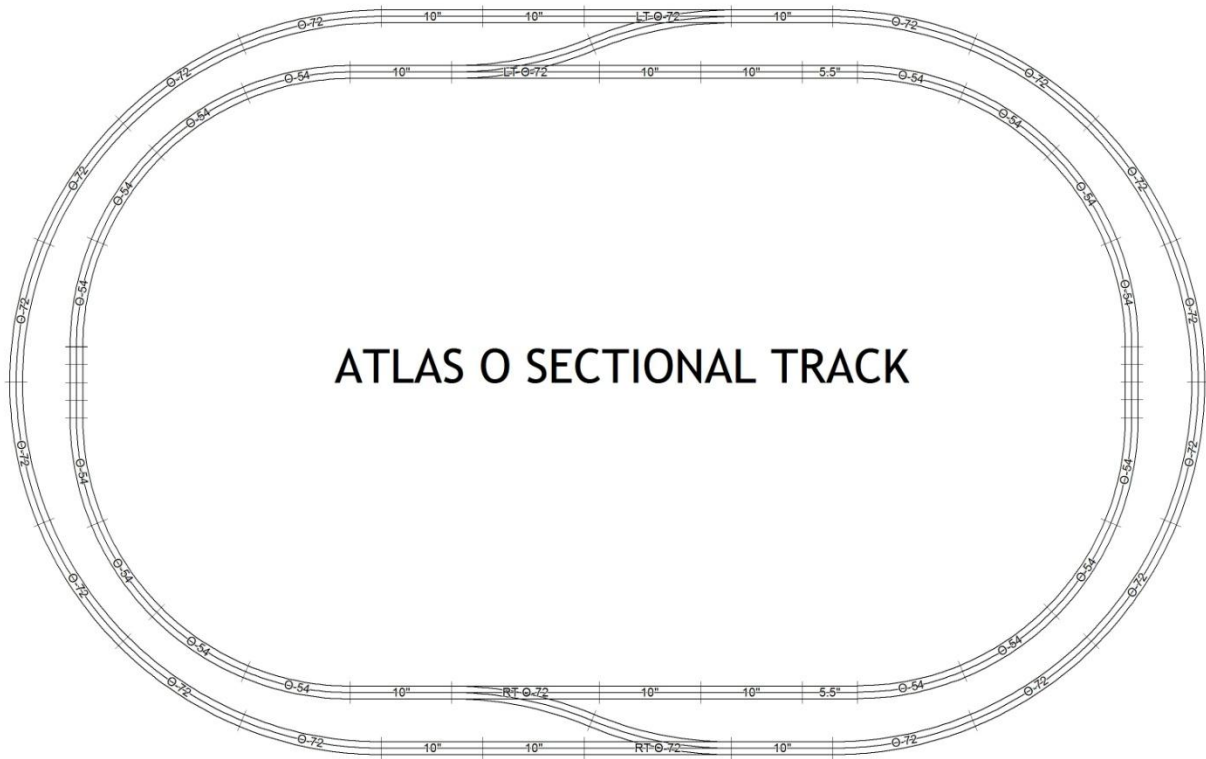Now that the crossovers have been assembled they will be combined in to a layout having two loops. The outer loop will use O-72 curve track segments. The inner loop will use O-54 curve track segments.

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.

ATLAS O SECTIONAL TRACK

ATLAS O TUTORIAL 2-02
Double Oval Layout
Parts List

No.	Image	Number	Name	Scale	Mfr	Pcs.	
1		6050	10"	O	Atlas	12	
2		6052	1.75"	O	Atlas	8	
3		6053	5.5"	O	Atlas	2	
4		6060	O-54	O	Atlas	16	
5		6062	O-72	O	Atlas	16	
6		6072	LT O-72	O	Atlas	2	
7		6073	RT O-72	O	Atlas	2	