

There are two modes of operation for the software, Standard and Advanced  
**Standard mode**

In this mode you can control the levers and buttons in a cab using the TSC- X Controller. You can also have visual and audio warning on screen for AWS/DSD/Sifa etc. This data can also be sent to a serial port(s) to enable you to light led's place information such as current speed, doors open, Sifa warning light etc. on lcd displays, even control stepper motors or servos to drive gauges. This mode does not alter any of the TS Classic files.

### **Advanced mode**

The Advanced version does all that the Standard version does and can even display an overlay on top of the TS window that can display the current speed, current speed limit, next speed limit, distance to next speed limit, position of the levers, total distance travelled, trip distance which can be reset whenever you want and finally all the information needed regarding the boiler, brakes, fuel, water, firebox and injectors as well as a few more.

This mode can also send this extra data to a serial port(s). In order for this to happen, the program has to edit some of the loco files. This is done automatically and can be undone by switching back to Standard mode (see the TS Classic Raildriver and Joystick Interface Manual) located in the Manuals folder.

### **Important:**

It is best to unzip the file into a folder of your choice, and place that folder into the root of any disk drive such as C:\ this is because windows has a path name limit off 255 characters and some of the paths to the files in TSClassic are quite deep and can cause errors when extracting the data if you don't do this.

If you wish to use the "Advanced" mode or you wish to display the warnings for Sifa/DSD/AWS/Doors/EmergencyBrake in the middle of the screen using the Standard mode then you will need to run TS Classic in either Windowed or Borderless mode by going to Settings\Graphics\Full Screen.

**You may need to install the DirectX June 2010 available from here**

**[DirectX 2010](#)**

**If you wish the overlay to show then you also need to run TS in Windowed or Borderless mode.**

**As of Version 3.3.0.2, Net 4.8 is required to run this program.**

**In the Net 4.8 folder there is the Web installer that you can run to check that you have Net 4.8 installed. If it is not installed, the installer will install the Net 4.8 framework for you.**

### **The default configuration for the TSC-X is:**

Left lever: ThrottleAndBrake/Throttle

Middle Lever: Train/Auto brake.

Right lever: Loco/Ind brake

Buttons 1- 8.

1. AWS.

2. Cab view.

3. Outside view.

4. Doors open/close left.

5. Doors open/close right.

6. Engine start.

7. Engine stop.

8. Master switch.

Rotary 1: Headlights increase/decrease.

Rotary 2 Wipers increase/decrease.

button 13: Emergency brake.

Horn lever: Horn high/low.

### ***Quick setup Standard Version***

1. Plug in your TSC-X Controller
2. Run the TSClassic Interface (x86).exe for the 32 bit version or TSClassic Interface (x64).exe for the 64 bit
3. In the window that pops up, select your Railworks.exe location. This is usually  
C:\Program Files (x86)\Steam\steamapps\common\railworks\ (for 64 bit windows) or  
C:\Program Files\Steam\steamapps\common\railworks\ (for 32 bit windows).
4. On the welcome screen, select "Standard" and click OK.
5. On the Extract Data screen select OK and wait for the data to be extracted, this can take up to 20 minutes per 100GB of assets but should only ever have to be run once. On completion you will get a message saying Extraction complete Time taken 00:00:00, click OK.
6. To start the program communicating with TS and the TSC-X, click the "Start Callback" button.
7. Start TS Classic and you can then select any scenario or quick drive and drive the train with your TSC-X Controller.
8. To end the program either click the "Stop Callback" button and close the form or just close the form.  
Subsequent running of the program will only require steps 1, 2, 6, 7 and 8 to be completed.

It is also advisable to at least read the "TS Classic Raildriver and Joystick

Interface Manual” located in the Manuals folder for in depth instructions and then the other manuals when required.

### ***Quick setup Advanced Version***

1. Plug in your TSC-X Controller.
2. Copy the Railworks\_Getdata\_Script.lua file from the Settings folder to the Plugins folder inside your TS Classic installation folder.
3. Run the TSCClassic Interface (x86).exe for the 32 bit version or TSCClassic Interface (x64).exe for the 64 bit.
4. In the window that pops up, select your Railworks.exe location. This is usually  
C:\Program Files (x86)\Steam\steamapps\common\railworks\ (for 64 bit windows) or  
C:\Program Files\Steam\steamapps\common\railworks\ (for 32 bit windows).
5. On the welcome screen, select "Advanced" and click OK.
6. On the Extract Data screen select OK and wait for the data to be extracted, this can take up to 20 minutes per 100GB of assets but should only ever have to be run once. On completion you will get a message saying Extraction complete Time taken 00:00:00, click OK.
7. To start the program communicating with TS and the TSC-X, click the "Start Callback" button.
8. Start TS Classic and you can then select any scenario or quick drive and drive the train with your TSC-X Controller.
9. To end the program either click the "Stop Callback" button and close the form or just close the form.  
Subsequent running of the program will only require steps 1, 2, 7, 8 and 9 to be completed.

It is also advisable to at least read the “TS Classic Raildriver and Joystick Interface Manual” located in the Manuals folder for in depth instructions and then the other manuals when required.