

Rebuilt Bulleid Light Pacifics



Drivers Guide

Steam locomotive expansion pack for Train Simulator

CONTENTS

INTRODUCTION.....	3
Simulation features.....	3
Locomotive specifications.....	4
ROLLING STOCK.....	5
Maunsell brake composite coach (BCK) in BR (S) green livery.....	6
Maunsell composite coach (CK).....	6
Maunsell brake third brake coach (BSK).....	7
Maunsell third coach (SK).....	7
INSTALLATION	8
ADDITIONAL CONTROLS.....	9
Keyboard Controls	9
Headcode disc system.....	9
Changeable numbers and shed plates.....	10
SCENARIOS.....	11
Over the Top	11
Extra Load.....	11
Southern in the Snow	11
CREDITS	12
COPYRIGHT	12
SOFTWARE PIRACY.....	12

INTRODUCTION

This highly detailed and accurate Bulleid Rebuilt Light Pacific has been developed by the experts at Digital Traction and is presented here in the British Railways Brunswick green livery with ten unique name plates, four Maunsell coaches in the appropriate livery, and three engaging scenarios.

In 1943 Oliver Bulleid started to plan for the post-war engine requirements for the poorly maintained lines. Something lighter than the Merchant Navy Class was required, and so the Light Pacific Class was born.

Bulleid decided to include the now infamous chain-driven valve gear but this was unreliable and caused many problems. The design also featured the 'air-smoothed' streamlined design that gave the engine its distinctive 'slab-sided' appearance.

The cab featured electric lighting powered by a steam-driven generator. The gauges were lit by ultraviolet light for better night vision and to eliminate light blindness and so help the crew see track signals better at night.

Despite these advanced design features, the locomotive's unreliability was causing problems and so 60 of the engines were rebuilt, starting in 1957. The chain gear was removed, along with the streamlining, and the engine was redesigned in many areas to more conventional specifications. The steam era was coming to an end, however, and many of the engines were scrapped soon after being rebuilt.

Simulation Features

- Highly detailed Rebuilt Bulleid Light Pacific model with ten unique name plates
- Four bonus Maunsell coaches in the appropriate livery
- Additional light controls for cab
- Sand, safety valve and whistle particle effects
- Changeable numbers and shed plates
- Opening cab windows
- Fully functioning headcode system

Locomotive Specifications

Power classification:	7P 5F
Build dates:	1945 to 1951
Rebuild dates:	1957 to 1961
Total built:	110
Total rebuilt:	60
Wheel arrangement:	4-6-2 (Pacific)
Length:	67 ft 4.75 in (20.45 m)
Weight:	91 tons
Number of cylinders:	3
Cylinder size:	16.375 x 24 in
Coal capacity:	5 tons
Water capacity:	4,500 imperial gallons
Boiler pressure:	250 psi
Driving wheel diameter:	6ft 2 in
Tractive effort:	27,720 lbs
Designer:	Oliver Vaughan Snell Bulleid

ROLLING STOCK

The following rolling stock is provided in this Rebuilt Bulleid Light Pacific package:

Bulleid Light Pacific Loco

This locomotive is supplied in British Railways Brunswick green livery.



A number of names have been supplied for these locos. The names are activated when you enter their number correctly when setting up scenarios. If you do not enter one of the numbers below, no name plate will be shown.

The locomotives supplied are as follows:

- 34001 Exeter
- 34016 Bodmin
- 34022 Exmoor
- 34026 Yes Tor
- 34027 Taw Valley
- 34039 Boscastle
- 34046 Braunton
- 34059 Sir Archibald Sinclair
- 34062 17 Squadron
- 34101 Hartland

Maunsell Brake Composite Coach (BCK) in BR (S) Green Livery



Maunsell Composite Coach (CK)



Maunsell Brake Third Brake Coach (BSK)



Maunsell Third Coach (SK)



INSTALLATION

Installation is handled by Steam after purchase of the product. After purchasing the product the files will be downloaded and installation into the Steam Library will be automatic.

Graphics Settings

In Train Simulator set Dynamic Lighting to ON, in game settings, for the best graphical display.

Depending on your computer's specification, you may wish to increase or lower the various Graphical Detail options to get the best performance.

Updates

Updates to the product will automatically be deployed, downloaded and installed via Steam to all users who own the product.

Technical Support

To obtain technical support (in English) please visit the Support pages at www.justrains.com. As a Just Trains customer you can obtain free technical support for any Just Flight or Just Trains product.

For support specifically on the Steam version of the add-on please contact Dovetail Games.

<https://dovetailgames.kayako.com/>

Regular News

To get the latest news about Just Flight products, sign up for our newsletter here: <https://www.justrains.net/newsletter>

ADDITIONAL CONTROLS

Keyboard Controls

We have included a number of extra features in this locomotive add-on. Many can be accessed from custom key commands.

You need to be in Expert driving mode to use them.

Main cab light – [CTRL]+[SHIFT]+[P]

Main side light – [CTRL]+[SHIFT]+[S]

Fold cab seat on left – [SHIFT]+[Num Pad Subtract]

Fold cab seat on right – [SHIFT]+[Num Pad Add]

Headcode Disc System

A real-time headcode selection system on the locomotive has been included. You need to press [CTRL]+[SHIFT] + numbers 1 to 6 to bring up the respective positions, starting from the top and running right.

These discs will light when you press the [H] key. The lights will not show unless the discs are exhibited.

On the tender a slightly different system is in use, and you must set these lights up at the beginning of a scenario.

Enter the following six-digit code; the digits correspond to the positions similar to the locomotive's headcode selection system:

XXXXXX

Where:

= disc and light showing

^ = disc only showing

* = do not show disc or light

For example: ###***

This would show the discs and lights in the first three positions, and nothing in positions 4-6.

Changeable Numbers and Shed Plates

Locomotive numbers are changeable in the normal way. Please note that these will also change names automatically.

XXXXXSSA

Where:

X = the loco number

S = the numbers of the shed code

A = the letter of the shed code

For example: 3410170B

SCENARIOS

All of the scenarios in this pack utilise the Somerset and Dorset railway.

This route is available to purchase from the Steam website (www.steampowered.com).

Over the Top

Put one of the new Rebuilt Light Pacifics through its paces over the heavily graded S&DJR. Start at Bath, and travel as far as Evercreech Junction.

Date: August 1957

Rating: Medium

Duration: 50 minutes

Start time: 09:30

Season: Summer

Start location: Bath Green Park

Extra Load

Take wagons from Templecombe as far as Evercreech, where you collect more goods before climbing over the Mendips to Radstock.

Date: February 1959

Rating: Medium

Duration: 60 minutes

Start time: 10:12

Season: Winter

Start Location: Templecombe

Southern in the Snow

Drive a stopping local train in the evening winter snow from Templecombe to Evercreech Junction with a rake of old Maunsell coaches.

Date: December 1960

Rating: Easy

Duration: 20 minutes

Start time: 16:12

Season: Winter

Start location: Templecombe

CREDITS

Rebuilt Bulleid Light Pacific locomotive

Digital Traction

Just Trains

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Manual	Alex Ford, Mark Walker
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Manufacturing	The Producers
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operations by another name.

The people who really suffer from game piracy are the artists, programmers and other committed game development staff. Piracy and theft directly affects people, and their families. Loss of revenue to the games industry through piracy means many are losing their jobs due to cut-backs that have to be made to ensure developers and publishers survive. The logical outcome of this is that eventually the supply of flight simulation programs will dry up because developers think it is not worth the hassle.

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