

Portsmouth Direct Line

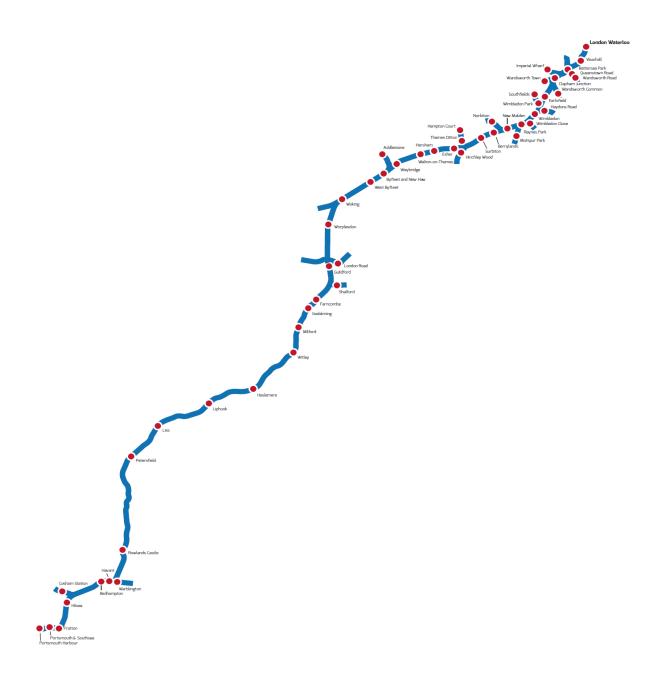
London Waterloo - Portsmouth Harbour



1	ROUTE MAP	4
2	ROLLING STOCK	. 5
	2.1 Class 450 South West Trains	. 5
	2.2 Class 444 South West Trains	. 5
	2.3 Class 455/8 South West Trains	6
3	DRIVING THE CLASS 450 & CLASS 444	. 7
	3.1 Cab Controls	7
	3.2 Sander	7
	3.3 Power Reduction Button	7
4	DRIVING THE CLASS 455/8	. 8
	4.1 Cab Controls	8
5	ACKNOWLED CMENTS	a

	Train Simulator – Portsmouth Direct Line
Whilst we do our utmost to reproduce sounds that hese sounds may not completely tally with the usimulation, it is often not possible to reproduct ariety of reasons such as limitations with our cupain meaningful access to the locomotives beinguid reproduction for our locomotives as accereations.	ser's expectation. Due to the nature of the ce a completely accurate soundscape for a urrent technology and occasional inability to ng created. You should therefore regard the

1 Route Map



2 Rolling Stock

2.1 Class 450 South West Trains



2.2 Class 444 South West Trains

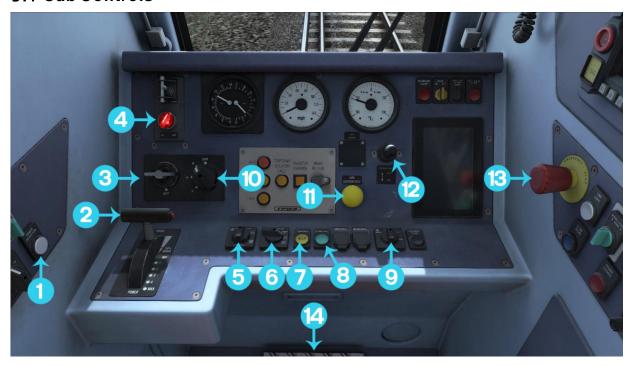


2.3 Class 455/8 South West Trains



3 Driving the Class 450 & Class 444

3.1 Cab Controls



- 1 Power Reduction (mouse only)
- 2 Power/Brake Handle (A/D)
- 3 Master Key (mouse only)
- 4 DRA (Y)
- 5 Cab Lights (L/Shift+L)
- 6 Marker/Head Lights (H / Shift+H)
- 7 Sander
- 8 Signal Bell (C)
- 9 Wiper Switch (V / Shift+V)

- 10 Reverser (W/S)
- 11 AWS Acknowledge (Q)
- **12** Horn (Space / B)
- 13 Emergency Brake (Backspace)
- 14 DSD Pedal (E)
- 15 DSD Disable/Enable (Ctrl+D)
- 16 External Alarms Setting (Ctrl+A)
- 17 Destinations (Ctrl+5 / Ctrl+6)

3.2 Sander

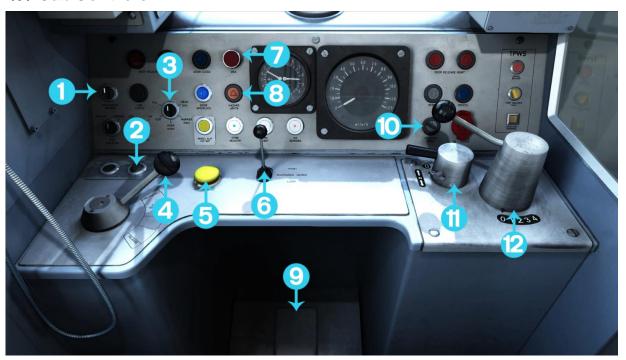
The sander on the class 450 and class 444 is only operable when the units are taking power.

3.3 Power Reduction Button

The class 450 and 444 are fitted with a Power Reduction button. This reduces the power by 50%.

4 Driving the Class 455/8

4.1 Cab Controls



- 1 Instrument Lights (I)
- 2 Windscreen Wipers (V)
- 3 Exterior Lights (H/Shift+H)
- **4** Train Brake (;/')
- 5 AWS Reset (Q)
- 6 Horn (Space / B)
- **7** DRA (Y)

- 8 Hazard Lights (mouse only)
- 9 DSD Pedal (Number pad Enter)
- **10** Sander (X)
- 11 Reverser (W/S)
- **12** Throttle (A/D)
- 13 DSD Enable/Disable (Ctrl+D)

5 Acknowledgments

Dovetail Games would like to thank the following people for their contribution to the development of the Portsmouth Direct Line:

Master Key Simulations

Class 450 & Class 444 artwork

Edward Fisk

Class 450 & Class 444 Simulation & Audio

Kevin McGowan

Scenery Asset Creation

Gameshastra

Scenery Asset Creation

Steve Potter

Route Builder

Stuart Galbraith

Route Builder

Dovetail Games Beta Testing Team

