

# Class 455/456 Improvement Patch & Sound Mod



## Main Requirements

[AP Class 455 Enhancement Pack Volume 1](#)

[AP Class 455 Enhancement Pack Volume 2](#)

[AP Class 456 Electric Multiple Unit Pack](#) \*

(As this mod mainly focuses on the AP Class 455 EP, it will still function properly if you do not own the AP Class 456)

Recommended but not required:

[Class 455 Vossloh Traction Pack](#)

## Scenario Requirements

One scenario is included with this mod:

**[YR] 2G45 16:03 London Waterloo to Guildford**

*Player train: Class 455*

*Time period set: 2021*

[AP Class 158/159 \(Cummins\) Enhancement Pack](#)

[AP Class 375/377 Enhancement Pack](#)

[AP Class 378 Enhancement Pack](#)

[AP Class 444/450 Enhancement Pack](#)

[AP Class 456 Electric Multiple Unit Pack](#)

[AP Class 700/707/717 Enhancement Pack](#)

[Just Trains S8 Stock](#)

Reskins

[Class 158/159 SWR Reskin Pack](#)

[Class 444/450 SWR Reskin Pack](#)

[Class 456 SWR Branding and Destinations](#)

Route

[Portsmouth Direct Line: London Waterloo to Portsmouth](#)

## Installation

Option 1 (Installer)

1. Run the installer, follow all instructions, then launch the game after the installation has finished.

Option 2 (Manual Install)

1. Copy or extract the **Assets** and/or **Content** folder into **C:/Program Files x86/Steam/steamapps/common/RailWorks**. The **Content** folder contains the included scenario.
2. Run the bat file **Install455.bat** located in **Railworks/Assets**.

## What's New?

### Visuals & Fixes

- Class 455 weathering improvements and new window frame texture.
- Revised SN cab textures, and new SWT cab variant.
- Class 455 interior texture tweaks.
- Improved Class 455 traction physics.
- Shortened Class 455 PreLoads.
- Class 455 door bug fix.
- Class 456 'NSE Faded 4-car' PreLoad fix.

### Sounds

- New Loud Vossloh Kiepe AC traction motor sounds.\*
- New EE507 traction motor sounds (separate audio for 455 and 456 respectively).
- New horn sounds (applies to 455/8 only).
- Class 455 Motor Alternator sounds for all subclasses.
- New Class 455 Spirax sounds.
- Revised compressor audio.
- Class 456 external power clunks.
- Class 455 external AC motor bogie clunks.
- New Class 456 flange audio, and improvements to Class 455 flange sounds at speed.
- Class 455 AC brake application sounds.

*You can view the full list of changes in the changelog text document provided.*

### \*Loud AC Motor Audio

This is a new feature playable alongside the existing AC motor sounds to represent the many Class 455 units which developed a noticeably louder motor sound than usual during their later years. This can be accessed in the Quick Drive menu, named **(Loud Motor)** and **(Loud + Standard Motor)**.

By default, the unit numbers on these preloads also represent some of the units that had louder motors in real life. You can still change them though if you so wish.

/7: 703, 711, 715, 723, 729

/8: 850, 852, 856, 867

/9: 911, 917, 919

For realism in scenarios, you can change the unit numbers to the following:

Time Period	Unit number
2020	740, 850, 911
2021	703, 715, 718, 719, 736, 739, 850, 867, 911, 917, 918
2022	703, 715, 723, 729, 739, 850, 852, 856, 867, 905, 911, 917
2023	703, 715, 723, 729, 739, 850, 852, 856, 867, 911, 914, 917
2024	703, 715, 723, 727, 729, 856, 867, 911, 917
2025	711, 715, 919

**IMPORTANT:** If you happen to use these additional consists in any scenario, you will need to have this sound mod as a listed requirement for this variant to work properly.

## Credits

- SamT for guidance, assisting with sounds, and site hosting.
- SmolChopper for Loud AC Motor blueprints, assisting with sounds, and beta testing.
- DullNameRW for assisting with sounds, and visual enhancements to the cab and interiors.
- ARO2 for assisting with SWT cab reference.
- 70C Simulations for assisting with sounds.
- Drone3774 for beta testing.

Please do not redistribute any of these files as your own.

If you have any issues with this mod, do not hesitate to contact me on Discord, Twitter, or Instagram.

Thank you very much for downloading!