GE AC4400CW OPERATING MANUAL

CHICAGO & NORTHWESTERN EDITION

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Preface

Due to the instability of Train Simulator Classic 32-Bit Edition, we strongly advise using the more modernized 64-Bit Edition for the fullest experience.

This is a realistic representation of a real life GE AC4400CW locomotive and as such is not recommended for novice Train Simulator users. Do **not** attempt any practices highlighted in this pack on a real GE AC4400CW.

This pack is **not** compatible with external controllers such as the RailDriver Desktop Cab Controller or Xbox One Controller.

This pack is **not** compatible with the game's save/resume functions.

This pack is **not** compatible with reskins or external modifications that aren't tailored to the nature of this pack.

Requirements

[Tehachapi Pass: Mojave - Bakersfield](#)
[GE GEVO-12 Sound Enhancement Pack](#)
[GE 7FDL16 Sound Enhancement Pack](#)

Installation

1. Copy the provided **Assets** folder to your RailWorks directory.
2. Run the file named **Install_CNW_AC44.bat** inside of your **Assets** folder.

Do not run Install_CNW_AC44.vbs as the batch file will already call for it.

Use In Scenario Editor

1. Click the **Object Set Filter** on the middle left pane.

2. On the drop down box, scroll down to **DTG** and click on it

3. Scroll down and click the middle box on **Tehachapi**

4. On the middle left pane, click on **Engines & Tenders**

5. Scroll until you find **[LPM] GE AC4400CW CNW**

Features

- Full GE 7FDL16 EP compatibility
- Working traction motor cut-out
- Nathan K5HR24 and GE steel bell
- High quality 4K textures and decals
- Toggleable light casting
- Dynamic exhaust dependent on RPM and load
- Fading headlights, ditchlights, and cab light
- Reworked AI system
- New cab camera positions featuring GE LocoCam
- Functional IFD screens
- Modified cab suited for the time period
- Static clean cab radio
- Numberboard lighting
- Revised wiper animation and speed controls
- New Type-F coupler
- PCS simulation
- Insertable reverser
- Road-specific external details such as antennas, numberboards, ditchlights, and horn
- Advance Aquatic Simulation
- Locotrol IV Harris Box with readable data

Cab Views

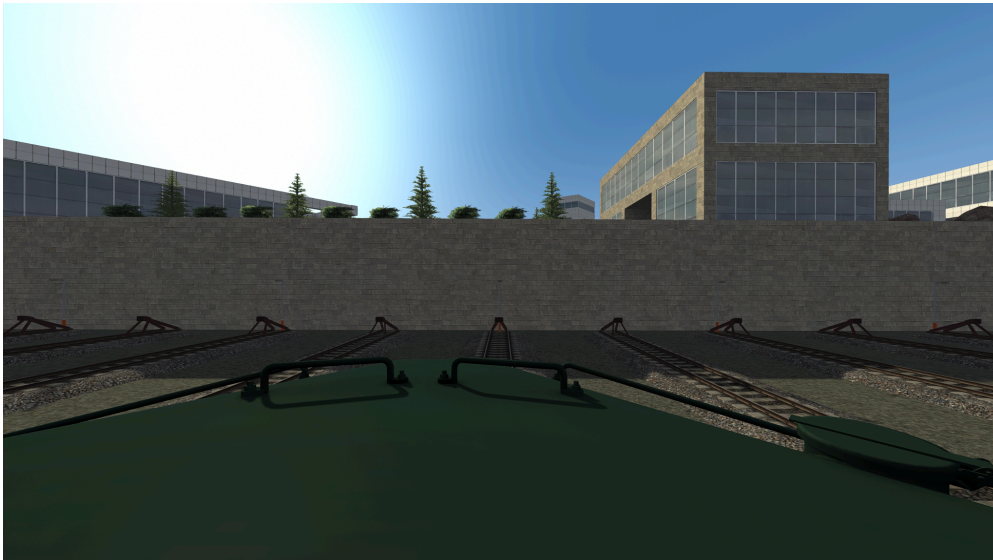### Engineer's Seat

Middle Man's Seat

Cab Views (continued)

Conductor's Seat

GE LocoCam

Non-Standard Keybinds

H / Shift + H - **Forward Headlights**

Ctrl + H / Ctrl + Shift + H - **Reverse Headlights**

Ctrl + Shift + S - **Step Lights**

I / Shift + I - **Isolation Switch**

Shift + A / Ctrl + Shift + D - **Distance Counter**

Ctrl + Q - **Alerter Override**

Ctrl + 1 - **TM1 Cutout**

Ctrl + 2 - **TM2 Cutout**

Ctrl + 3 - **TM3 Cutout**

Ctrl + 4 - **TM4 Cutout**

Ctrl + 5 - **TM5 Cutout**

Ctrl + 6 - **TM6 Cutout**

Ctrl + N - **Numberboard Lights**

V / Shift + V - **Wipers**

Ctrl + Shift + L - **Light Casting**

Y - **Engine Startup/Shutdown**

Shift + R - **Insert Reverser**

Spam F - **Advanced Aquatic Simulation™**

Preparing the unit

1. Set the isolation switch to RUN

2. Insert the reverser key

3. Use the reverser to select the desired direction of travel

4. Release the auto brake

5. Notch up with the throttle

Traction Motor Cut-Out

Cutting in or out your traction motors results in a gradual increase or decrease of power. The amount of motors cut-in is displayed on the GE Locotrol display (Harris Box). A popup will also appear on the top right showing you which traction motor is cut in/out.

PCS (Pneumatic Control Switch)

When experiencing a penalty from an emergency brake application, the controls will set themselves automatically to recover. The brake must be in emergency, the reverser in center, the throttle in idle, and the train at a dead stop. You will receive a notification after 60 seconds of these conditions being met that the PCS has reset.

GE/Harris Locotrol

The GE/Harris Locotrol display sits above the left IFD on the desktop. It displays the following.

Traction - The amount of traction motors cut-in on the locomotive

Mn Res - The amount of air sitting in the main reservoir

Tr Eff - The amount of tractive effort the locomotive is putting out

Eq Res - The amount of air sitting in the equalizing reservoir

B Pipe - The amount of air sitting in the brake pipe

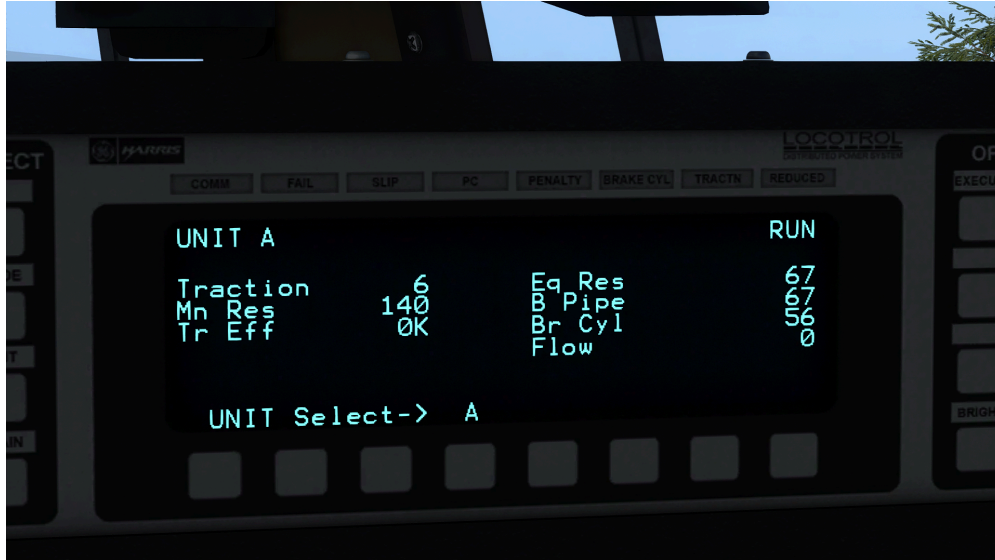**Br Cyl** - The amount of air sitting in the brake cylinder

Flow - The amount of air going through the braking system at a given point

UNIT A - This does not change as there is no script for DPU fencing.

ISOLATE-RUN-START/STOP - The positions of the isolation switch.

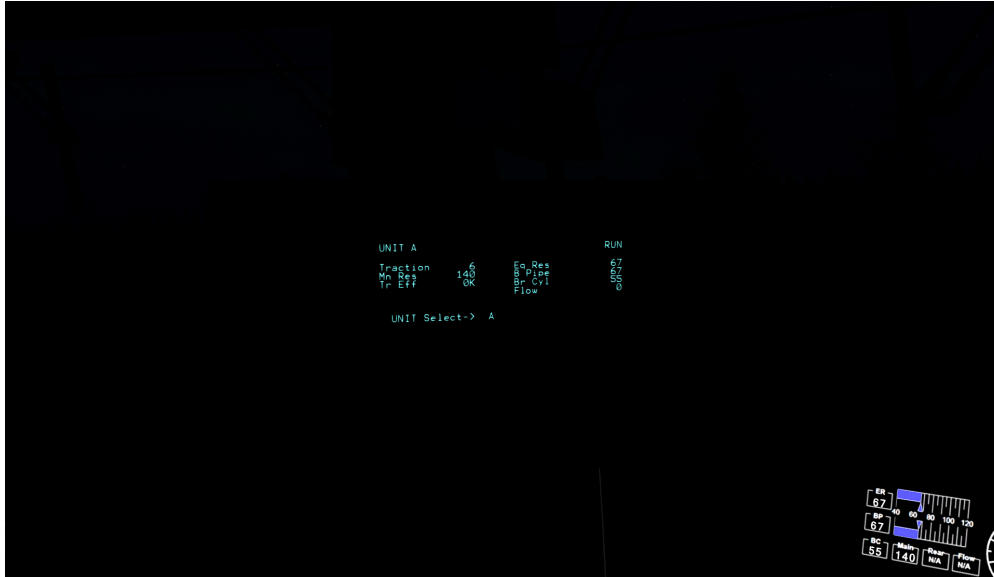# GE/Harris Locotrol (continued)

Full Display

Isolation Switch States

GE/Harris Locotrol (continued)

Visibility at night

Credits

marty - Project lead, 3D modeling, texturing and scripting

BeastWarsEnjoyer - Audio implementation

LP - Advanced Aquatic Simulation™, baking assistance, and testing

ngc - Revised handrail mesh

bentrain14 - Type-F coupler model

Troy (SPS) - Roof antenna equipment and K5HR24 horn model

Terence (SPS) - Reference photos

Steve (SPS) - K5HR24 horn audio and alpha mode technicalities