GR8MOD



READ ME FIRST

GRADE8 XL45

Installation, quick start and controls · by Grade8

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Thank you for buying GR8MOD XL45!

The XL45 is a 45 ft Super C diesel motorhome built on a Freightliner Cascadia chassis, in the style of the Renegade XL. It is a full BeamNG vehicle from bumper to bumper: a Detroit DD16 or DD13 diesel with a DT12 automated gearbox, air suspension on both axles, and a coach that really works. Four slide-outs run in and out, the coach levels itself on its airbags or on four hydraulic jacks, the entry door has a screen door and a fold-out double step, and all 13 storage bay doors open.

Inside you get a fully built home: working sinks, shower and toilet with real fresh, grey and black tanks, a touch-screen coach panel, house batteries, solar, an inverter and a 12.5 kW generator, three roof A/C units, two TVs, window blinds, tilt-out windows with pull-down insect screens, pocket doors, patio awnings, a fold-down satellite dish and furniture that stays put when you drive and breaks loose in a hard crash. The cab has a live driver display, a 10 in centre screen with a real backup camera, a cab radio, DEF and DPF simulation, a cold start, a fan clutch and a full set of Cascadia chimes and alerts.

This file gets you on the road in a few minutes. Two more guides come with the mod:

GR8MOD XL45 - Complete Feature Guide.pdf	every system, switch, screen and part explained in detail
GR8 Radio Relay\README.pdf	the small helper for live radio, Spotify and Internet TV

Installation

1. Do NOT unzip the mod. BeamNG reads the zip file directly.
2. Put the GR8MOD XL45 zip file into your BeamNG "mods" folder: %LOCALAPPDATA%\BeamNG\BeamNG.drive\current\mods (Copy that line into the Windows Explorer address bar and press Enter.) Tip: in BeamNG's main menu, Mods > Manage Mods has an "Open mods folder" button.
3. Start BeamNG.drive (or restart it if it was running). Check Mods > Manage Mods: the mod should be listed and active.

Updating: delete the old zip and put the new one in the same folder. Uninstalling: delete the zip.

Finding The XL45



DD16



DD16 Touring



DD16 Signature



DD16 Blackout (Deleted + Tuner)



DD16 (Performance Interior)



DD13



DD13 (Performance Interior)

The seven factory configurations in the vehicle selector

Open the vehicle selector and look for:

Brand: Grade8	Model: Grade8 XL45 (type: Truck, body style: Motorhome)

CONFIGURATIONS

It comes in seven factory configurations:

DD16	the standard XL45 (default): Detroit DD16 600 hp, white with the red Renegade swoosh, chestnut maple and cognac leather inside
DD13	the DD13 525 hp, silver over graphite, natural maple and saddle leather
DD16 Touring	long-haul setup: overdrive DT12 and 3.36 axles for a lower cruise rpm, champagne over graphite, driftwood and dove grey leather
DD16 Signature	midnight blue over silver, gloss black wheels, espresso maple and charcoal leather
DD16 Blackout (Deleted + Tuner)	gloss black with every black option, the LED light bar, ebony and black leather, the emissions delete with a 3-stage dash tuner
DD16 (Performance Interior)	the standard DD16 with a lighter interior for slower PCs
DD13 (Performance Interior)	the DD13 with the lighter interior

Performance Interior: the furniture is fixed in place (no loose or breakable pieces), there are no blinds and the interior screens are off. The slides, doors and taps still work. Pick these if the full version runs slow.

Paints: Arctic White, Renegade Red, Obsidian Black, Graphite Grey Metallic, Silver Metallic, Champagne Metallic and Midnight Blue Metallic. Paint 1 colours the white parts of the swoosh livery and paint 2 the red parts. You can also change the interior scheme, wheel finish, grille, mirrors, engine, gearbox and much more in the Parts menu - see the Feature Guide.

Your First 5 Minutes



Key on: the gauges, the driver display and the 10 in centre screen wake up



Parked, levelled, slides out and awnings open

1. SPAWN. Pick the DD16 on a big flat map (Gridmap or West Coast USA are good). The coach spawns with the engine running, the slides in, the jacks up and the awnings latched. It is 45 ft long and weighs about 22.7 tonnes, so give it room.

2. GET COMFORTABLE. Switch to the driver camera (BeamNG's normal camera key, usually C). The 10 in screen in the centre of the dash shows the map. Almost every switch, handle and button in the cab and the coach can be clicked with the mouse.

3. DRIVE. Release the parking brake and use your normal throttle, brake and steering. The DT12 shifts its 12 gears by itself. Use BeamNG's engine brake control on long downhills - the driver display shows OFF / LOW / MED / HIGH. Reverse and the backup camera comes up on the centre screen with guide lines that bend as you steer.

4. PARK. Stop on level ground, set the parking brake and shift to neutral. After 2 seconds the coach starts to level itself on its airbags ("Auto-level" messages). The RV page of the centre screen (click RV under the screen) shows the level bubble.

5. LEVEL WITH THE JACKS. On a slope the airbags may run out of travel. Click the JACKS pad on the dash, left of the steering wheel: the four jacks go down, touch the ground and lift the low corners until the coach is level. Click it again to bring them up. Releasing the parking brake also brings them up.

6. SLIDES OUT. Walk to the entry door (or click its handle from outside) and find the SLIDE ROOMS switch plate on the cabinet face by the door. Click a rocker to run that room out; click it again to bring it in. The parking brake must be set and the coach stopped.

7. OPEN UP CAMP. On the coach control panel by the entry door, turn on the lights and the WATER PUMP, set the CLIMATE, and raise the SAT DISH (ignition off). Click the PATIO AWNINGS switches to roll the awnings out, open a storage bay with its paddle latch, and pull the outdoor TV out of its bay on the kitchen side.

Before you drive off: bring all four slides in, close the bays and the entry door, and release the parking brake (the jacks come up first). The awnings roll in by themselves when the coach moves and the dish stows when the key goes on, but the slides do NOT come in by themselves.

Controls



The coach control panel: touch screen, slide-room rockers, awning switches and the Firefly rockers

The XL45 uses your normal BeamNG controls for driving, steering, brakes, gears, the parking brake, the ignition / starter, the engine brake, the horn, headlights, high beams, fog lights, turn signals, the cab doors, the hood latches, the differential locks and the cameras.

None of the XL45's own actions has a key by default. You simply click them in the cab or coach. If you want a key for any of them, open Options > Controls > Bindings with the XL45 spawned and look in the Vehicle Specific section (or type the action name in the search box).

CAB	
Horn pad	click and hold the centre of the steering wheel (or your normal horn key)
Leveling jacks	click: jack pad on the dash, left of the steering wheel
Screen keys	click: MENU, NAV, CAM, RV and DEF under the 10 in centre screen
Radio keys	click: PWR, volume knob, NEXT, PREV, FM1 (source), presets 1-6 on the head unit
Tuner stage	click: tuner knob on the dash (Blackout / delete option only)
Refill DEF	click: the blue DEF cap on the coach wall behind the driver's door
ENTRY AND OUTSIDE	
Coach entry door	click: the door handle (outside, inside or on the jamb)
Screen door	click: the screen door's handle (entry door open)
Storage bays L1-L8	click: each bay door's paddle latch
Storage bays R1-R5	click: each bay door's paddle latch

Fridge tray (R3)	click: the tray handle (bay R3 open)
Generator START/STOP	click: the rocker on the generator in bay R4 (bay R4 open)
Wet bay valves	click: FILL, FLUSH, BLACK, GRAY, macerator, hose reel, outside faucet (bay L7)
Outdoor TV	click: bay door latch, pull handle, swivel, power and the screen
COACH PANEL (BY THE ENTRY DOOR)	
Slide-outs	click: SLIDE ROOMS rockers LIVING / BEDROOM / KITCHEN / CLOSET
Patio awnings	click: PATIO AWNINGS switches (front / rear)
Lights	click: All Lights, Living, Kitchen, Bedroom, Bath, Porch
Systems	click: Water Pump, Aqua-Hot, Generator, Auto Gen, Inverter, Sat Dish
Climate	click: Climate (mode), Set -, Set +
Tanks	click: Dump Grey, Dump Black
INSIDE	
Windows (5)	click: the window's bottom latch (raise its insect screen first)
Insect screens (5)	click: the screen's handle rail
Blinds (9)	click: the blind's bottom rail
Pocket doors	click: the recessed pull (bath door, bedroom door)
Toilet room door	click: the knob
Shower door	click: the glass door's pull
Taps and shower	click a handle: on / off; mouse wheel over it: colder / hotter
Shower lever	click: off / rain / jets / hand shower
Toilet	click: the flush button; click the lid: lid up / seat up / both down
Bedroom TV	click: power button and the screen
KEY ONLY (NO SWITCH TO CLICK - BIND A KEY IF YOU WANT THEM)	
Entry step switch	entry steps: auto (with the door) / out / in
Bay power lock	"Storage bays: power lock" or "XL45: storage bay power lock": lock / unlock all bay doors
DPF parked regen	"DPF: parked regen start / stop"
DPF regen inhibit	"DPF: regen inhibit on / off"

The jacks and the DEF refill also have key versions ("XL45: leveling jacks", "XL45: refill DEF"). If one of your keys clashes with a BeamNG binding, just rebind one of them.

Quick Help

• The XL45 doesn't appear in the vehicle list: the zip must sit directly in the mods folder, not in a sub-folder and not unzipped. Restart the game after adding it.

• A slide-out won't move: set the parking brake and stop. The kitchen slide also needs the outdoor TV folded in and its bay door shut.

• The jacks won't go down: set the parking brake and stop first.

• A window won't open: raise its insect screen first ("Raise the insect screen first").

• No water from the taps: turn the WATER PUMP on at the coach panel. Fresh tank empty? Fill it at the wet bay.

• No hot water: turn the AQUA-HOT on.

• The TV won't switch on: it needs 120 V - the inverter on (with battery left) or the generator running.

• The bay paddles do nothing: the bays are locked. Use the "Storage bays: power lock" action to unlock.

• The sat dish won't raise: turn the ignition off and stop.

• "DPF Approaching Full" or a flashing DPF lamp: drive at highway speed for a while, or do a parked regen (Feature Guide, section 9).

• Engine derated, 55 mph: the DEF tank is empty. Stop and click the blue DEF cap.

• The backup camera says CAMERA OFF: set BeamNG's graphics preset to High or Ultra.

• The game runs slow: try a Performance Interior configuration.

• Anything else: use BeamNG's normal vehicle reset. It repairs damage and puts every system back to its spawn state.

Enjoy the road!

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