



Speed Limiter

A **speed limiter** is used to limit the top speed of a vehicle. For some classes of vehicle and in some [jurisdictions](#) they are a [statutory](#) requirement, for some other vehicles the manufacturer provides a non-statutory system which may be fixed or programmable by the driver.

Here's how it works:

A series of sensors detect how fast you're going, then communicate that information to the engine's computer, which manages nearly all the engine's functions. Once you reach a pre-determined top speed, the computer steps in and restricts the flow of air and fuel to the engine and even the sparks that cause combustion. Either way, you'll be unable to exceed the top speed as determined by the car's manufacturer.



Benefits of Speed Limiter

The benefit of speed limiter to your fleet is more than just meeting the legal FRSC requirements of road speed limit. There are environmental, safety and cost benefits from mandating the use of speed limiters. Reducing the speed of a vehicle will result in lower fuel consumption that helps reduce toxic emissions and saves money on fuel purchases. As well, the risk of collision is reduced when driving at lower speeds. Another benefit is the lower repair cost for: motor, tires and brakes.

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Reduced operating costs through:

Reduction in wear and tear; savings on brakes and tyres

1. Lower fuel consumption and repair costs
2. Longer vehicle-service life
3. Elimination of road traffic fines

Why Choose Speed Limiter Driving Solution?

Equipping your fleet with Speed Limiter Device is a sure way of preventing the legal speed limit or a desired speed limit from being exceeded. The benefits are achieved without the need to forgo the use of full engine power. The maximum road speed obtainable is controlled by an electronic regulator into which the preset speed limit has

WHY INSTALL A SPEED LIMITER

Speed is a major risk factor in road accident accounting for about 35% of road crashes in Nigeria (FRSC Publication).

REGULATORY REQUIREMENT

Occasioned by increased number of accidents that occur due to over speeding, the Federal Road Safety Corps, FRSC has commenced the enforcement of Speed Limiter Device (SLD) installation on all commercial vehicles plying Nigerian roads to ensure that drivers comply to legal road speed limit as stipulated in the Nigerian High Way Code.

"The Corps Marshal of the Federal Road Safety Corps (FRSC), Dr Boboye Oyeyemi has announced that enforcement of the speed limiters on commercial vehicles operating in the country will commence nationwide on 1st October 2016, saying it would be total and non-compromising.

He stated this during the stakeholders' meeting held at the FRSC National Headquarters Abuja with stakeholders from relevant government agencies and road transport unions in attendance'.

The implementation of the speed limiter device is therefore mandatory for all commercial vehicles whether trucks, buses or cars. Transporter owners and drivers who fail to comply may have their vehicles impounded and will be prosecuted. It is against this background that we offer you our speed limiter device.

Policy Initiative And Mandate

The regulation on compulsory use of speed limiting device on vehicles in Nigeria has been in the FRSC Establishment Act and the National Road Traffic Regulation since 2004 and retained in the subsequent amendments as show below:

National Traffic Regulations (NRTR, B173 – B303,) 2004**Construction SECTION 53, SUB-SECTION (6)**

All motor vehicles plying the highway shall be in possession of good electric or air horn, jack, wheel spanner, tools, fire extinguisher, inflated spare tyre, first aid box, emergency warning triangles or cones, laminated windscreen and mirror, speed governor, wipers, insurance certificate and road worthiness certificate."

Note- A speed governor is also called a speed limiting device.

Driving SECTION 79, SUB-SECTION (a)

A person driving or in control of a motor vehicle on any highway shall- Not drive at a speed exceeding 50km/hr in any town, village, residential or industrial area, as illustrated in Schedule 8 or may be shown on speed sign along the road”.

Special Provision Relating To Expressway, SECTION 99

The minimum speed of any motor vehicle shall be 45km/hr and maximum speed 100km/hr, except where otherwise indicted by a sign as prescribed in Section 9 of these Regulation”. Note- the speed limits are actually prescribed in Section 8 in details and not Section 9.

SCHEDULE 8- MAXIMUM SPEED LIMITS FOR ALL CATEGORIES OF VEHICLES

i. Regulation 84 (a) & (b) – Note – this table is in Regulation 99

Speed KM/HR

Built-up Area Highways Express

CARS 50 80 100

TAXI AND BUSES 50 80 90

TANKERS/TRAILERS 45 50 60

SPEED LIMITS

2007 – FEDERAL ROAD SAFETY COMMISSION (ESTABLISHMENT) ACT, 2007

SECTION 10, SUB-SECTION (m)

Determining and enforcing speed limits for all categories of roads and vehicles and controlling the use of speed limiting devices”.

SOCIAL-ECONOMIC ADVANTAGES OF POLICY IMPLEMENTATION

1. Lower speed results in less fuel consumption by vehicles.
2. Lower speed also cuts down vehicle maintenance cost and slows down depreciation value thus vehicle lasts longer.
3. It will significantly impact positively in changing the individual driving behaviour which has been hard to achieve over the years.
4. It will reduce the speed of vehicle to pre-set limit thus reducing overall crash risk and likely to lessen severity of crash.
5. It will equally engender good monitoring mechanism for vehicle owners’/fleet operators.
6. It enables more relaxed driving and lower insurance premium as consequence of fewer crashes.
7. It has been established that lower speed variance can be linked to fewer crashes and compliance with speed limits reduces the chances of vehicles getting involved in frequency of crashes and severity of bodily injuries..

Safety

Driver Identification

Drivers are associated with vehicles automatically

Safety Belt Monitoring

Ensure that each driver wears their safety belt when moving

Driver Behaviour

Analyse braking and acceleration profiles for improved training and safety

Speed Analysis

Record the speed of the vehicle when moving

Accident Buffer

Ability to monitor accidents for improved response

Security

GPS Location

Vehicle locations monitored within the system

Panic Button

Drivers can press the panic button if there is a problem to alert the system controllers

Operations

Driver Utilisation

Ensure drivers are utilised efficiently

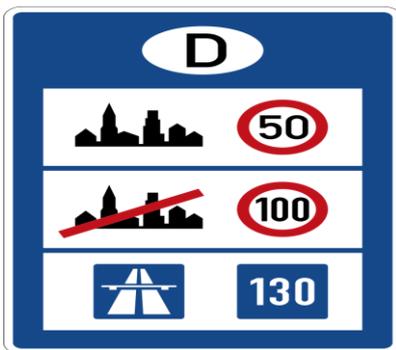
Excessive Idling

Reduce fuel wastage by not leaving the engine running when stationary

Management Reporting

Ability to produce various reports to ensure effective management of drivers' performance and utilisation of vehicles.

Marshal & Mitchel Supporting any local and national campaigns to help vulnerable road users can be effective. This would help build and nurture a good road safety reputation in the transport and logistics sector, but it would also motivate drivers. Often, drivers come from the local community themselves and providing them with personal experiences of how the fleet's anti-speed initiative is beneficial can make them more likely to commit to other aspects of the campaign as well.



Marshal & Mitchel has professional technicians responsible for installation of speed limit device:

- To carry out an ex post evaluation of the application of the Directive on vehicles;
- To assess whether and how the current Directive could be amended to improve its effectiveness and efficiency, in particular by exploring and assessing the following options:
 - Decrease limits for heavy goods vehicles.
 - Speed limitation devices for light commercial vehicles
 - Intelligent Speed Assistance/Adaption (ISA) systems for all commercial vehicles

1. Road Speed Limiter



A Road speed limiter (RSL) means a device whose primary function is to control the fuel feed to the engine, in order to limit the vehicle speed to a preset value.

- journeys already complete
- Exception reporting that allows you to set user-defined events for notification to you via reports, emails or text message

2. Speed Recorder Limiter



Speed recorder & limiter is an advanced form of normal speed limiter device. Apart from speed limiting function, this device can act as a data logger also. Our speed recorder, Speed-eye II can record highest speed value, real time for every minute and record for more than 5 days. This data can be retrieved any time using a simple USB flash disk.