

Flat Shift

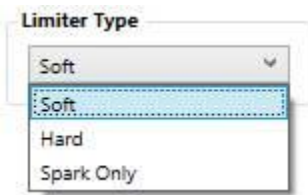
This feature will momentarily cut the fuel or spark or both for a pre-set time during shifting. This will slow the engine RPM momentarily to ease shifting process in the gearbox. It is initiated by a negative going transition pulse of a switch, or electronics or load cell that will give an earth contact. The switch is combined with movement of the gear lever. Note: This feature is only available on specific firmware. Ask your dealer on it before you buy.

Settings

The following settings is done to activate this feature. On Orion2 the input is shared with the dual map input. This means dual map will not be able to operate on the fly. It will load a Map only at start up. Then the input will be used for a flat shift input. After that it is used as the flat shift input during run conditions. Normally an open switch will mean Map 1 is loaded when the ECU starts. Then if this contact is earthed the flat shift delay will be activated. If you want to start in Map 2 hold the switch in and put the ignition on. Then Map 2 is implemented, from there on the flat shift work as normal.



A delay can be adjusted from 0 to 350 milliseconds. Zero will deactivate the feature. Zero will disable the flat shift feature. This feature is disabled at RPM below 2000.



You may select the type of engine cut which is the same as the normal rev limiter settings. Soft will cut only fuel, Hard will cut fuel and spark and Spark only speaks for itself.