Overview of Speed Activated Alarm Functionality

The Speed Alarm configuration can be found in the Alarm Setup sub-menu and allows us to use GPS speed to display different cameras at different speeds and to turn Output Alarms On and Off.

Configuring the Speed Activated Alarms

Before starting make sure you can operate the DVR and view the Driver Monitor at the same time*.

The easiest way to operate the DVR is to connect a wireless mouse into the USB port on the front of the DVR (a wireless office mouse is perfectly OK for this).

You also need to check that the Monitor is displaying the AV Output from the DVR. You can tell this when the date is shown in the top left corner of the screen and there is a red record icon in the bottom left corner of each camera image displayed.

If the vehicle does not have a monitor these settings can also be modified using the **TViewer APP**

You can enter the DVR Configuration Menu and to do this "Right Click" on the mouse which will take you to the **Main Menu** screen.

To go to the Speed Alarm configuration, move the cursor to the **"ALM SETUP**" Tab and "Left Click" to select

This will take you to the **Alarm Set Menu** screen.

From this menu use the mouse to select the **"SPD ALM"** sub-menu. This is the menu option where you configure the speed activated alarms.

There are 5 Speed Alarm options available in the **Speed Setup** menu.

On the FORS GOLD PSS system we normally use 3 of these alarms. The configuration for these is shown to the right.

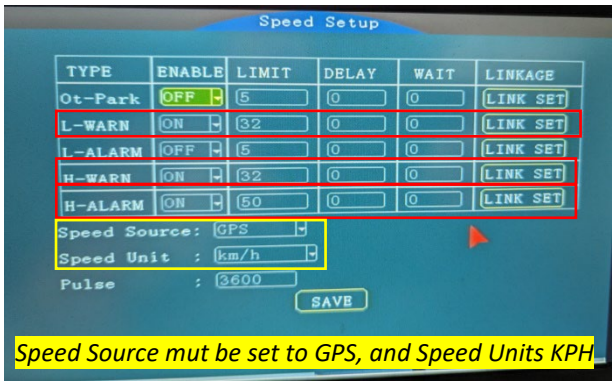
The options for each alarm are:

Turn Alarm ON or OFF (Enable)

Set the speed an alarm is active - Below or Above (Limit)

Set the duration an alarm stays active for after the alarm condition is no longer valid (Delay)

Set the duration a condition must exist before an alarm becomes active (Wait)

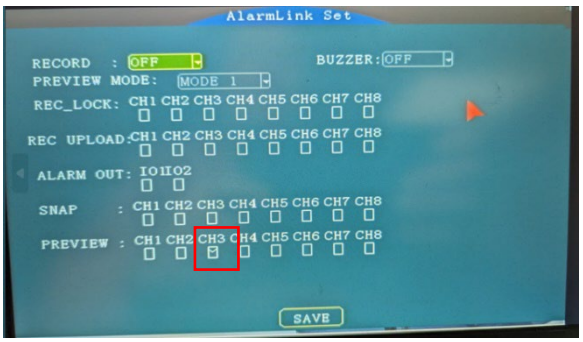


Speed Source mut be set to GPS, and Speed Units KPH

For each alarm condition there is a **Link Set** and here we define what the alarm does when it is active.

For the standard FORS GOLD application the only parameters we use are **PRECHN** and **ALARM OUT**, all the others should be left blank, and the RECORD mode turned OFF.

The first alarm we have enabled is the **L-Warn** alarm. If you refer back to the previous page this alarm is active below 32 KPH (20 MPH), and we configure this alarm to display CH3 (Nearside Camera)

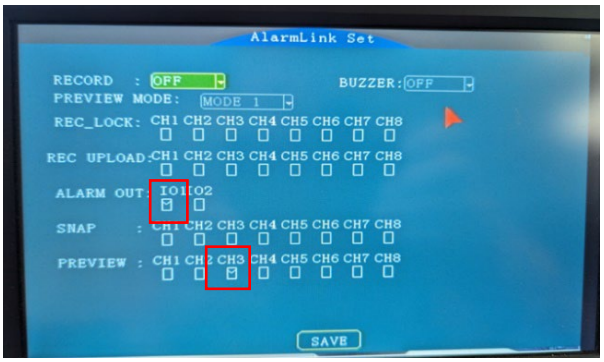


NOTE: Below 5KPH the Speed Alarms are turned off and the Monitor displays the cameras selected in the Record Settings, which will normally be set to display Front, Reverse, Left & Right, or Front, Left & Right if used on an artic.

The second alarm we have active is the **H-Warn**, this alarm is active between 32 KPH (20 MPH) and 50 KPH (31 MPH)

On this alarm we are still showing the nearside camera (CH3) but now we have turned on **Alarm Out (IO1)** which we use to disable the Left Turn Alarm through a Relay.

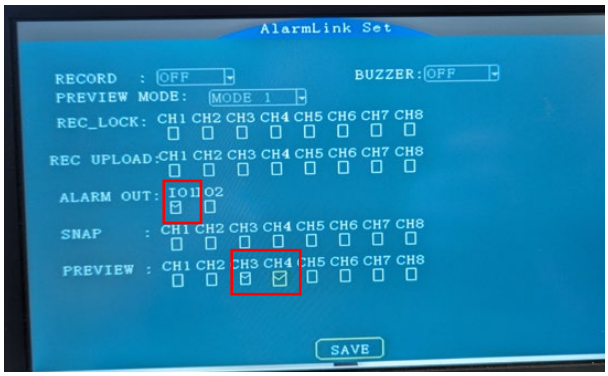
This alarm has been added because we have found with the 20 MPH speed limit the displayed screen is often frequently changing layouts if we switch the display at 20 MPH.



The last alarm we have active is the **H-ALM**, this alarm is active above 50 KPH (31 MPH), taking priority over the **H-WARN** alarm.

On this alarm we are showing the nearside and offside cameras which are defined by cameras CH3 & CH4 being ticked in the **PRECHN** range (although different customers may prefer different cameras to be displayed).

ALARM OUT (IO-1) remains active to keep the Left Turn Alarm deactivated



To Summarise the standard Speed Alarm Functionality of the FORS PSS GOLD system is as follows:

Below 5 KPH:	*All 4 Cameras displayed*
Below 20 MPH (32KPH):	*Nearside camera only displayed*
Above 20 MPH (32KPH)	*Nearside camera displayed, Alarm Out (IO1)1 is turned ON*
Above 31 MPH (50KPH)	*Nearside and Offside camera displayed, Alarm Out (IO1)1 is turned ON*