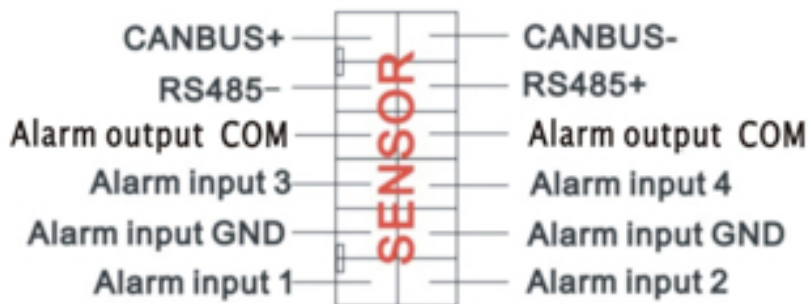


## Driver External Audio Alarm Wiring

Those wishing to add external audio alarm via buzzer or indicator light to alert the driver of potentially dangerous driving behavior can do so by following the below instructions.

The below image is the Sensor I/O plug harness included at no additional cost in the box with the DVR.



### Sensor I/O

### Wire Color

CANBUS+	Green Wire (Oriented on top of plug when installed)
CANBUS-	Green Wire
RS485-	Red Wire (Oriented on top of plug when installed)
RS485+	Yellow Wire
Alarm Output COM	Grey Wire (Oriented on top of plug when installed)
Alarm Output COM	White Wire
Alarm Input 3	Blue Wire (Oriented on top of plug when installed)
Alarm Input 4	Blue Wire
Alarm Input GND	Black Wire (Oriented on top of plug when installed)
Alarm Input GND	Black Wire
Alarm Input 1	Blue Wire (Oriented on top of plug when installed)
Alarm Input 2	Blue Wire

### Connection Instructions for Buzzer or Light:

#### Step 1-

Unplug main power to the DVR, and make sure the vehicle ignition is off.

#### Step 2-

Mount the alarm device securely so the wires will not cause a potential safety hazard.

Alarm buzzer or indicator light should be noticeable in audio decibel range or brightness if indicator lamp is used. but not terrifying

#### Step 3-

Connect the Red wire from the buzzer or indicator lamp to the extra Red power wire coming off the main DVR power plug to provide +12V DVR power to the buzzer or lamp device.

#### Step 4-

Connect the Black wire from the buzzer or indicator lamp to the Alarm Output COM from the SENSOR I/O Plug. There are 2 choices for the connection, Grey Wire or White Wire, your choice.

#### Step 5-

Test operation of the device to make sure it functions properly and that it is both noticeable while driving as the sound of the vehicle can drown out many low decibel buzzers due to loud engine noise.

### Safety Notice

Alarm buzzer or indicator light should be noticeable in audio decibel range or brightness, but not terrifying enough to cause instinctive reflexive spastic "fight or flight" responses from the driver. The objective is a remind that the driver has exceeded some preset safety threshold.

Just because companies may offer 120 decibel audio buzzers that duplicate the deafening roar of the legendary SR71 Blackbird at full thrust, it would be madness to use one that loud as the warning device would then create a new driving safety concern as the drivers senses were assaulted by near deafening alerts.

### Light Option

Should you prefer to use a light to a light an Buzzer together the system can power either or both to enhance he driver awareness in environments where the vehicle may be so noisy they might not hear the Buzzer alone. Optional Lights are available for this application from ABV.



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