

# Quick Guide to DVR Configuration



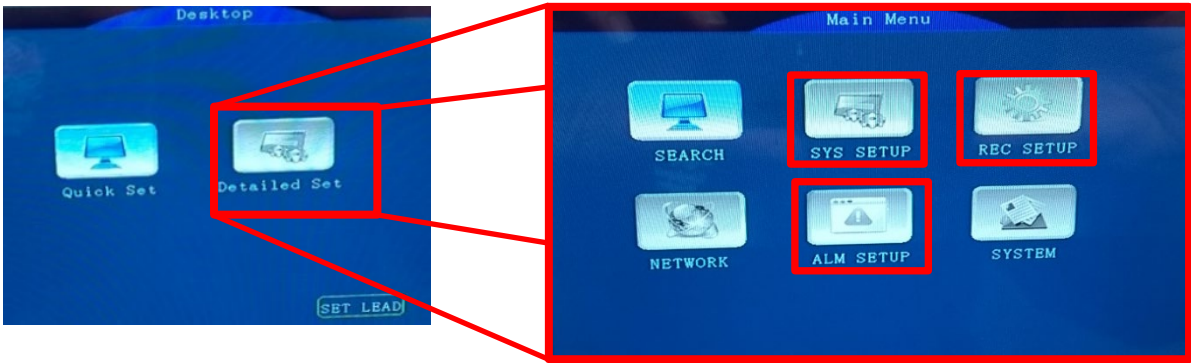
Every effort is made to supply our DVRs configured to the customer requirements. However, requirements can change, and this document explains how to change the most common parameters.

*Please note to configure the DVR as describe in this manual it must be connected to the Drivers Monitor so that the engineer can view the menu.*

To access the configuration menu, connect a mouse into the USB port on the front of the DVR. An office wireless mouse is ideal for this purpose.



Enter the menu and select **Detailed Set** to enter the main menu.



The most common sub-menu's that are used:

### SYS SETUP

Settings for Power, Passwords, Device ID, Time etc

### ALM SETUP

Alarm Function Settings

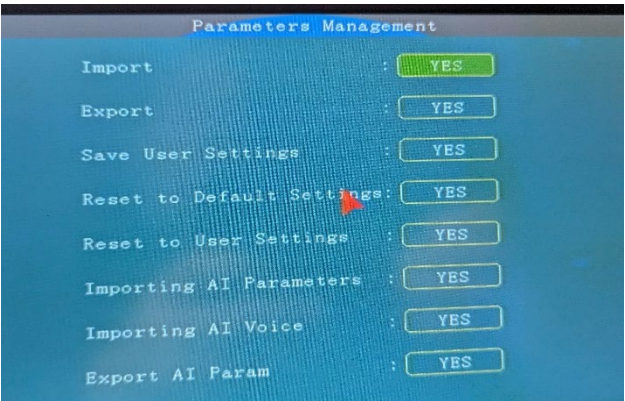
### REC SETUP

Setting for Recording Profile

## SYS SETUP

The most commonly accessed settings are Parameter Management, Power Management and Disk Format

### PARAMETER MANAGEMENT



**Import** - Use this option to upload a new Configuration from an SD Card  
**Export** – Use this option to download Configuration to an SD card  
**Reset to Default** – Restores Factory default settings.  
**Reset to User** – Resets User settings  
**AI Parameters** – These options are not currently used

## POWER MANAGEMENT

**Power Mode**  
Acc – Turn DVR on with ignition (Normal Mode)  
Time Mode – Turn DVR on & off at set times.

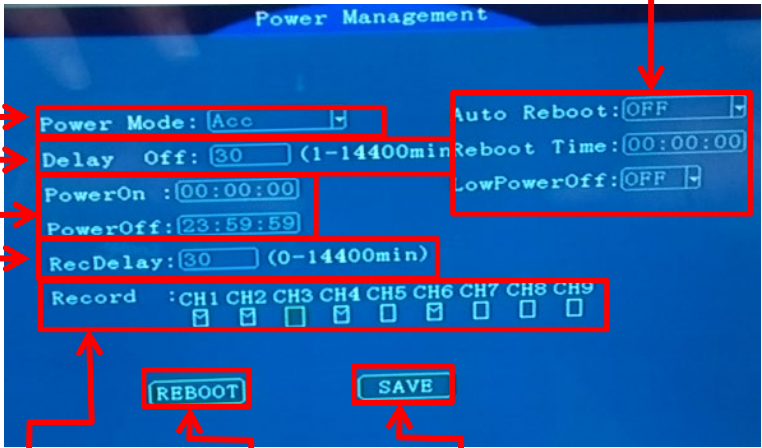
**Delay Off**  
Set Device Turn off time after Ignition Off.  
Must be same time or longer than **Rec Delay**

**Power On/ Off**  
Used to turn DVR On and Off at specified time.  
(Almost Never used).

**Rec Delay**  
Set Record Run on time after Ignition Off

**Record**  
Select Channels that will still be recorded when Ignition is Turned Off

**Auto Reboot/ LowPowerOff**  
Recommended these are turned OFF for most applications.



### REBOOT

Restarts DVR

### SAVE

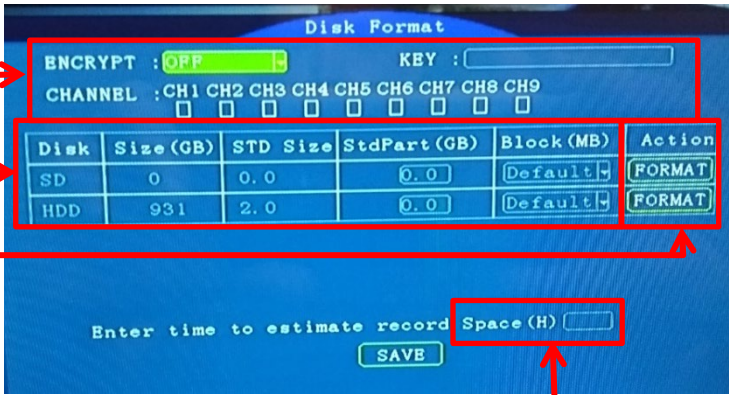
To save changes click this button.

## DISK FORMAT

ENCRYPT (Not Supported) leave OFF.

Leave these at the default settings.

**FORMAT** – Click on the FORMAT button to format the installed storage medium.  
**NOTE** This will delete all recorded footage.



Enter the time (hours) to show how much disk space is required to record for that period of time with current record settings.

## REC SETUP MENU

The most commonly changed parameters are the Basic Record Setup and the Mainstream settings

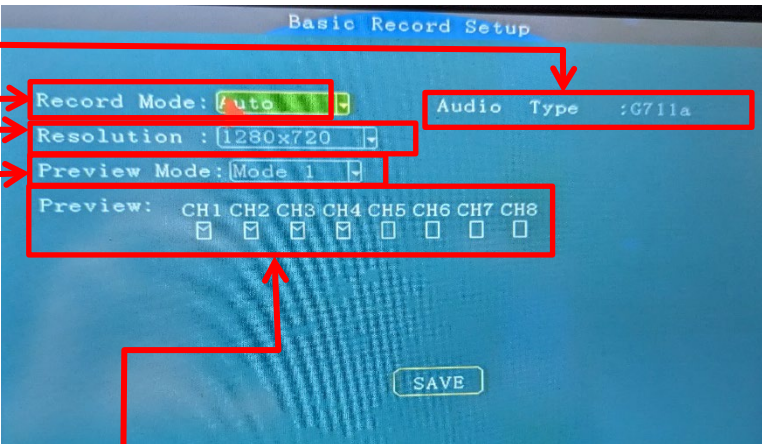
### BASIC RECORD Setup (RECORD)

**Audio Type**  
This is the fixed audio protocol and is not configurable

**Record Mode**  
Auto is the default setting, and means the DVR will automatically adjust the input to match the camera type.

**Resolution**  
1024x760 is suitable for most monitors.

**Preview Mode**  
Defines screen layout of selected cameras.



### Preview

Check the cameras to be displayed as default

**Note:** Changes will not be saved unless the **SAVE** Button is clicked



MAIN STREAM (M-STREAM)

**RES**  
There is a quirk of the Recording Resolution function in that the resolution will automatically be set to the lowest resolution camera that has been connected to an input.  
  
If a higher resolution camera is later fitted the resolution has to be manually adjusted to record at a higher resolution

**ENABLE**  
Turn ON to Record this Camera Channel.

**FPS**  
Sets Frame rate.  
Use 25 FPS as standard (can be reduced to extend recording time

**QUA**  
Set quality of video compression.  
1 is highest, 6 is the lowest.  
Normally set to 1 or 2 (Note: There is no real advantage changing this parameter)

Main Stream

CHL	ENABLE	RES	FPS	QUA	AUDIO	MIRROR
CH1	ON	1080	25	2	OFF	OFF
CH2	ON	1080	25	2	OFF	OFF
CH3	ON	1080	25	2	OFF	OFF
CH4	ON	1080	25	2	OFF	OFF
CH5	ON	D1	25	2	OFF	OFF
CH6	ON	D1	25	2	OFF	OFF
CH7	ON	D1	25	2	OFF	OFF
CH8	ON	D1	25	2	OFF	OFF

Quick Set SCIP AVE IPC SET

**Audio**  
Turn ON to record audio on this Channel.

**MIRROR**  
Mirror/ Flip both recorded and displayed image

**Note:** Changes will not be saved unless the **SAVE** Button is clicked

ALM SETUP

The most commonly used alarms are the input/ output alarms and G Threshold alarms.

IO Alarm

**Level**  
**H** - Voltages above 3.5 V will trigger the alarm  
**L** - Voltages below 3.5V will trigger the alarm

**Enable**  
To Enable an Alarm, choose the description that best describes the function of the alarm.  
  
**Note that the L-Turn, R-Turn and Brake options watermark activation on the recorded video**

**Delay**  
This sets the time that the DVR will keep the alarm active before closing the alarm.  
*e.g. For Indicators we want the alarm to stay live between the flashes, so we typically set the delay to 3*

**WAIT**  
This sets the time that the alarm must be active for before the DVR recognises the alarm condition exists.

IO Alarm

NO	Enable	Level	Delay	Wait	Linkage
IN1	Back	H	1	0	LINK_SET
IN2	L-Turn	H	3	0	LINK_SET
IN3	R-Turn	H	3	0	LINK_SET
IN4	Brake	H	0	0	LINK_SET
IN5	Panic	H	1	1	LINK_SET
IN6	OFF	H	0	0	LINK_SET
IN7	OFF	H	0	0	LINK_SET
IN8	OFF	H	0	0	LINK_SET

SAVE

**Linkage**  
The linkage (Link\_Set) options are used to set up the AV output and other alarm functions – Please refer to further information on the following page

**Note:** Changes will not be saved unless the **SAVE** Button is clicked

G Threshold Alarms

The G-sensor (G-Threshold) Alarms are used to record alarm file and send alerts when the pre-set Threshold level is exceeded.

**Rapid Acc; Rapid Dec; Sharp Turn.**  
Alarm levels for different Driving Style Monitoring parameters.  
  
**Crash** is a combined G-Level value that capture an impact incident.  
  
**Rollover** measures angle and is designed to identify if a vehicle is tipping over.

**Limit** is the G-Level threshold for each Alarm  
  
**Delay** Sets the duration the alarm stays active.  
  
**Wait** is time in seconds the G-level has to be above the threshold level to trigger an alarm.  
  
**Linkage** sets the actions that can be associated with an alarm (see below)

G-SENSOR

TYPE	ENABLE	LIMIT	DELAY	WAIT	LINKAGE
RAPID ACC	OFF	HIGH	5	1.50	LINK SET
RAPID DEC	OFF	HIGH	5	1.50	LINK SET
SHARP TURN	OFF	HIGH	5	1.50	LINK SET
CRASH	OFF	HIGH	5	0.40	LINK SET
ROLLOVER	OFF	HIGH	5	5.00	LINK SET

ACC X: +0.07g ACC Y: +0.36g ACC Z: +0.90g  
Crash: -0.03g Angle: -21.92°  
Vehicle Type: car For help, press INFO  
ADJUST SAVE INSTALL

Mode: AUTO\_DETECT  
Direction: UNKNOWN

**ADJUST** – use this to zero the G Sensor after the DVR has been installed

**INSTALL** – set to AUTO\_DETECT for the DVR to work out its orientation. Option to manually define this.

**Note:** Changes will not be saved unless the **SAVE** Button is clicked

AlarmLink SET

The AlarmLink Set (LINK\_SET) is used to define the alarm action whenever an alarm is activated.

AlarmLink Set

RECORD:	<input checked="" type="checkbox"/> ON	BUZZER:	<input type="checkbox"/> OFF						
PREMODE:	MODE 1								
REC_LOCK:	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RECUPLOAD:	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ALARM OUT	OUT DUT2								
	<input type="checkbox"/>	<input type="checkbox"/>							
SNAPPIC:	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PRECHN:	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAVE

**RECORD:** Turn ON to Record an alarm (Set to OFF for most alarms other than G-Level)  
**BUZZER:** Not fitted as standard.  
**PREMODE:** Defines Screen Layout for the cameras selected in PRECHN.

**REC\_LOCK:** Specifies which cameras will be recorded to Local Storage.  
**RECUPLOAD:** Specifies which cameras will be uploaded to cloud (remote access DVRs only)

**ALARM OUT:** Turns on Alarm Output when alarm condition occurs.

**SNAPPIC:** Saves snapshot image when alarm condition occurs

**PRECHN:** Displays selected channels on the Driver Monitor when alarm is active.

**Note:** Changes will not be saved unless the **SAVE** Button is clicked

FOR FURTHER SUPPORT PLEASE CALL  
01928 734573 info@vision-uk.co.uk