























**roadhawk**  
A Trakm8 Brand



# RoadHawk DVR4000/DVR8000 Set-up Guide


## 1 Remote Layout



	<ol style="list-style-type: none"> <li>Go to menu</li> <li>Return</li> </ol>		<ol style="list-style-type: none"> <li>Upward for MENU selection.</li> <li>'UP' direction for PTZ control mode.</li> </ol>
	Record		<ol style="list-style-type: none"> <li>Downward for MENU selection.</li> <li>'Down' direction for PTZ control mode.</li> </ol>
	Enter the sub-menu to set and confirm		<ol style="list-style-type: none"> <li>Towards left for MENU selection or MENU setup.</li> <li>'Left' direction for PTZ control mode.</li> </ol>
	Playback on the mobile DVR		<ol style="list-style-type: none"> <li>Towards right for MENU selection or MENU setup.</li> <li>'Right' direction for PTZ control mode.</li> </ol>
	<ol style="list-style-type: none"> <li>Stop when recording or during playback</li> <li>Delete</li> </ol>		<ol style="list-style-type: none"> <li>Screen zoom the first channel video when surveillance, record</li> <li>Enter password or set system password.</li> <li>Shortcut keys, press the first key shortcut to switch the number 1, press the second key shortcut to switch the capital letter a, press the third key shortcut toggles the lowercase letters a, press the up and down keys to change value.</li> </ol>
	Pause/Play during playback		<ol style="list-style-type: none"> <li>4 channel display using surveillance, record and playback.</li> <li>Enter password or set system password.</li> </ol>
	Fast-forward during video playback, Press again to speed up.		
	Rewind uring video playback. Press again to skip by 10 seconds		
	Enter PTZ control mode.		
	Control PTZ Zoom		
	Control PTZ focus		
	Mute key to turn on or turn off audio output during playback videos with audio.(The audio input of the playback device must be connected to the audio output of the DVR.)		
	<ol style="list-style-type: none"> <li>Exit video playback or backup.</li> <li>Exit from PTZ mode.</li> </ol>		<p>Press 1, 2, 3, 4, 5, 6, 7, 8 switch to CH1, CH2, CH3, CH4, CH5, CH6, CH7, CH8</p> <p>Buttons not mentioned are not in use.</p>

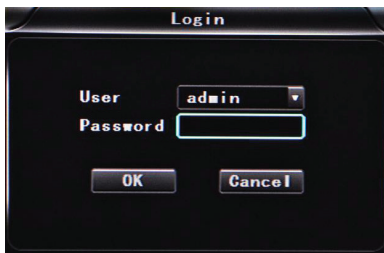
**Remark: When the DVR is in alarm condition, the remote control is invalid.**

## 2 Login

First press 

and then press  to enter the default password **6666**.

Then press  to enter the main menu interface.



To select 'System', 'Disk', 'Record', 'Playback', 'Network' and 'Alarm' options, please use the arrow navigation buttons on the remote control. Pressing the 'OK' button will select the desired option.



## 3 Sub Menu

To select 'Setup', 'Vehicle', 'Other', 'System info', 'Log' and 'Config' options, please use the arrow navigation buttons on the remote control. Pressing the 'OK' button will select the desired option.



## 4 Setup Menu

To select 'Base', 'User', 'Serial', 'PTZ', 'GPS', 'G-sensor' and 'NTP' options, please use the arrow navigation buttons on the remote control. Pressing the 'OK' button will select the desired option.



## 5 Base Menu

Set the System time, TV system, Language, etc.

**Date format:** Offer 3 display methods like 'y/m/d, m/d/y, d/m/y' for personal habit.

**Daylight saving time:** On or off.

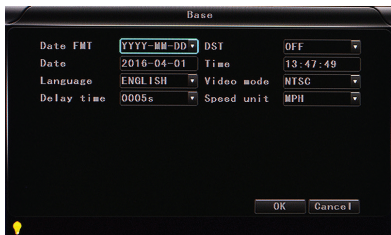
**Date:** Adjust the date of HDD recorder

**Time:** Adjust the time of HDD recorder

**Language:** Set 'Chinese', 'English', 'Portuguese', 'Russian' and 'French', have to restart the DVR after setting.

**Video Mode:** Set 'PAL' or 'NTSC' - requires system restart.

**Delay Time:** Shut down after ignition off function, the default time is 5 secs. Selectable 30secs to 23.5 hours.



**Note:** Select the 'OK' button to save any changed parameters, select the 'Cancel' button to close the window without saving any changed parameters.

Enter the menu, then use the navigational arrows on the remote control to select the options. Then press the 'OK' button to enter the modification mode. Adjust the number by pressing the navigational arrows on the remote control. Press the 'OK' button to save after adjustments. Press the 'Menu' button to exit.

## 6 GPS Settings (see image) Set to UTC

Set up the communication protocol with external equipment via the serial settings screen.

**ID Time zone:** Different by countries, e.g: China for UTC+08.

**GPS Interval:** GPS data upload interval, used with other system interface.



## 7 G-Sensor

**G Sensor-X:** 2000mg (default value). This value will change accordingly if the X direction gravity accelerated speed value is changeable.

**G Sensor-Y:** 2000mg (default value, customisable).

**G Sensor-Z:** 2000mg (default value, this value will change accordingly if the Z direction gravity accelerated speed value is changeable).

**Note:** Press the 'Adjust' button to adjust G-sensor parameters when first installed.



## 8 Vehicle Id

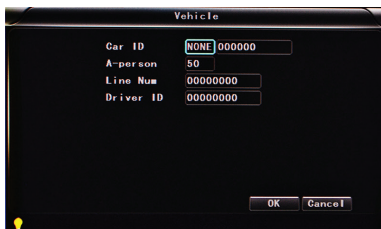
Details of car number plate, route and driver code.

**Car ID:** Can be showed by English, numbers or common symbols.

**A-person:** Set up the driver for the vehicle.

**Line Num:** The driving route and code.

**Driver ID:** Set up the driver code information.



The screenshot shows a 'Vehicle' configuration window with the following fields:

Car ID	NONE	000000
A-person	50	
Line Num	00000000	
Driver ID	00000000	

At the bottom right, there are 'OK' and 'Cancel' buttons.

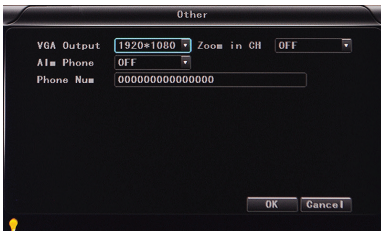
## 9 Video Output

**VGA Output:** 1920x1080, 1280x720, 1024x768, no output.

**Zoom in CH:** Choosing which channel to see each time power is on. This is also useful when backing the car. E.g. when you choose CH 1 as the Zoom, CH1 will be shown on screen when you start the device,.

**Alarm Phone:** Set the action of alarm or not.

**Phone number:** Click alarm function and set the phone number for alarm.



The screenshot shows an 'Other' configuration window with the following fields:

VGA Output	1920x1080	Zoom in CH	OFF
Alm Phone	OFF		
Phone Num	0000000000000000		

At the bottom right, there are 'OK' and 'Cancel' buttons.

## 10 Camera Setup

The video files setting includes 'codec', 'channel' and 'record plan'.

### 6.19 Codec

**Channel:** Select the channel setting. The information of each channel can be set independently.

**Resolution:** CIF/ HD1/ D1/ 960H/ 720p/ 1080p: The left column shows local storage information. The right column shows network transmission information. Local 'CIF, HD1 and D1' is optional. Only 'CIF' can be chosen for network transmission.

**Frame:** 1-25/30fps.

The left column shows local storage information. The right column shows network transmission information.

**Stream mode:** Contains Bit Rate and Variable Bit Rate.

**Quality:** Video quality setting.

The left column shows the local video quality (total 192kbps/ 320kbps/ 512kbps/ 768kbps/ 1Mbps/ 1.2Mbps/ 1.5bps/ 2Mbps/ 3Mbps/ 4Mbps).

The right column shows the network transmission quality (total 13 grades, 32kbps/ 48kbps/ 64kbps/ 80kbps/ 112kbps/ 144kbps/ 192kbps/ 256kbps/ 320kbps/ 384kbps/ 512kbps/ 768kbps/ 1024kbps).

**Audio:** Select to record with or without audio.

**Copy to all:** Copy to all channels.

**Note:** Save after finishing video parameter setting. (The DVR will need to be restarted after setting).



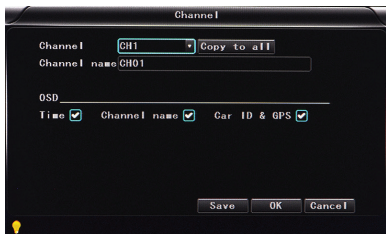
## 12 OSD Setup

**Channel:** Select the channel setting (the information of each channel could be set independently).

**Channel name:** The name of each channel.

**OSD:** Choose to add the character information or not.

**Copy to all:** Copy to all channels.



## 13 Recording Setup

**Channel:** Select the channel setting. The information of each channel can be set independently.

**Record mode:** Real time, event or no record.

**File length:** The packaged video files length setting (5/10/15/25/30/60 minutes).

**Pre-record:** Before the alarm recording time (none, 5 secs, 10 secs or 15 secs).

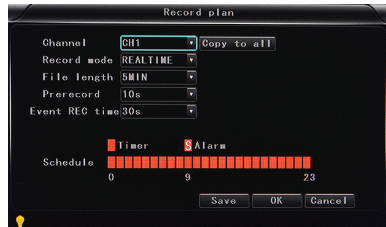
**Event REC time:** Alarm-triggered video duration (30-330 secs optional, 30secs unit).

**Schedule:** Customise the record periods and alarm intervals.

**Copy to all:** Copy to all channels.

**Save:** Save after finishing video parameter setting. The DVR will need to be restarted after setting.

The operating method is similar to the 'basic settings' operating.





## 14 Sensor Setting

**Channel:** Main channel. Optional alarm inputs.

**Enable:** Turn on/off means.

**Sensor name:** Name the alarm.

**Trigger level:** High or low level trigger of the alarm.

**Linkage:** Set up ON/ OFF video linkage function.

**OSD:** Choose whether to overlay alarm information.

**Lock:** Never overwrite.

**Alarm:** Choose whether to overlay alarm information.

**Alarm out:** Choose whether to alarm out.

**Save:** Click the save button to keep the settings after rebooting.



## 15 Overwrite and Format

**Disk Name:** Display the system-recognised HDD name.

**Overwrite:** Choose on and off.

**Total Size:** Display the total size of HDD.

**Free Size:** Display the remaining capacity of HDD.

**Free record time:** An estimate of your recording time availability.

**Format:** Format HDD (only format the head files of HDD).

Select this item. There is a format interface after pressing the 'OK' button. Confirm to format or cancel to return to the original interface.



## 16 Import/Export

**Import:** Import the configuration parameters.

**Export:** Export the configuration parameters.

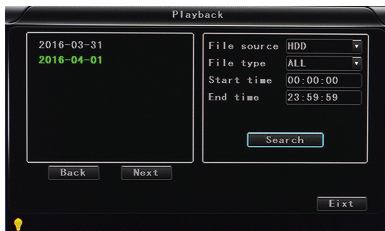
**Renew:** Restore the factory parameter.



## 17 Playback

The video is in date and time order in the menu, Select the tome range and press search ,then press ‘Play ‘button to replay the video.

**DVR player file attributed:** File format suffix ‘\_P’ is power off video file , suffix ‘\_S’ indicates an alarm trigger video files, suffix ‘\_T’ indicates an timing video files.



## 18 System information

Displays DVR hardware code number and software version information (this cannot be changed).

**Device encoding:** Only for this DVR. The code is unique.

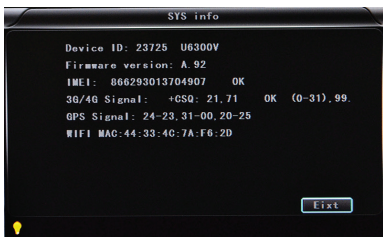
**Firmware version:** The version No. of DVR software.

**IMIE:** IMIE No. of 3G/4G network or module.

**Strength of 3G/4G signal:** Strength value: 99, unknown: 0-31.

**Strength of GPS signal:** AA-BB (AA: GPS No ;BB: GPS strength. Show signal strength of max3).

**Wi-Fi MAC:** The MAC address



## 19 Log information

**Log type:** User action log, alarm logging, and equipment status log.



## 20 Password Change

**Disk Name:** Display the system-recognised HDD name.

**Overwrite:** Choose on and off.

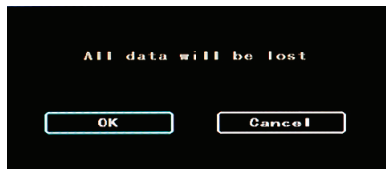
**Total Size:** Display the total size of HDD.

**Free Size:** Display the remaining capacity of HDD.

**Free record time:** An estimate of your recording time availability.

**Format:** Format HDD (only format the head files of HDD).

Select this item. There is a format interface after pressing the 'OK' button. Confirm to format or cancel to return to the original interface.



## Notes



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