

Stand-Alone

4Ch Real Time Record Mobile DVR



User Manual (SDX-V1)

Please read this user manual completely before operating this DVR system and keep it in a safe place for future reference.

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INTRODUCTION

*Thank you for purchasing our unique **Mobile DVR** system. To ensure that you optimize the full capabilities of this product, please read this user's manual before proceeding. Be sure to keep this manual for future reference in case any problems or questions should arise. We hope you enjoy your new **Mobile DVR** system.*











IMPORTANT SAFETY INFORMATION

*When using your **Mobile DVR** equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Please read the followings before using your equipment:*




1. Read and follow all instructions carefully.
2. Follow all warnings and instructions on the product.
3. Unplug the product from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand or table.
6. Do not allow anything to rest on the power cords. Do not place this product in a location where the cords can be stepped on or where someone can trip over them.
7. Do not use this product near an area where there is a potential of gas leaks or near any explosive fumes.
8. Do not place this product near or over a radiator or any other heat source.
9. Use ONLY the power cord supplied with the system.
10. Do not overload the wall outlet or power cord where the power cord is installed. This can result in fire or electric shock.
11. This equipment is to be opened by ONLY a qualified serviceperson. There are no user serviceable parts inside. Opening this equipment may expose you to dangerous voltage and other risks. Incorrect re-assembly of this equipment may result in electric shock.
12. Avoid spilling liquid on this equipment and do not insert any objects through the ventilation slots.

UNPACKING YOUR SYSTEM

Your DVR system will include the followings:

1 x DVR unit	
1 x Rear Cover and screws	
2 x Keys	
4 x Screws	
1 x Power and Ignition Cable (POWL026A+B)	
3 x Spare Fuse (5A)	
1 x A/V Adapter Cable	
1 x RCA Cable	
1 x DB15 Cable (BNC Connector)	
1 x Wireless Remote Control	
1 x User Manual	

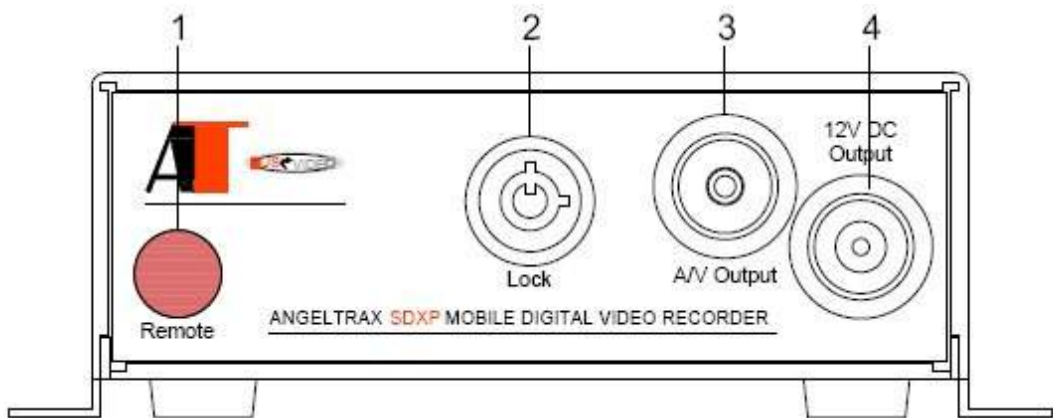
Optional Accessory

GPS-E1 (external GPS unit)	
AP router box	
Driver Action and Extension Cable (5M)	

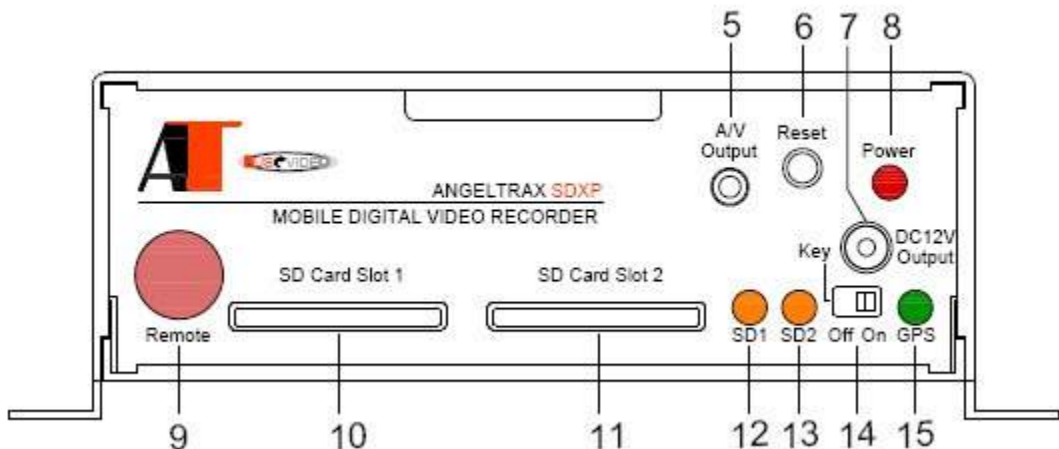
CONTROL PANEL AND FUNCTION

Front Panel

1. IR remote control receiver
2. Font panel key socket
3. Audio/Video output terminal
4. 12V DC output power socket

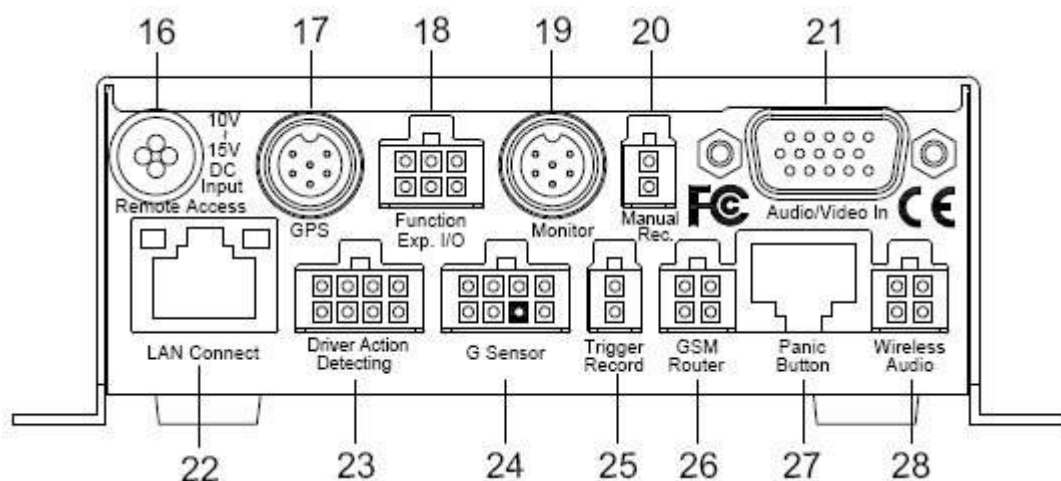


5. Audio/Video output terminal
6. Reset button
7. 12V DC output power socket
8. Power indicator
9. IR remote control receiver
10. SD card slot 1
11. SD card slot 2
12. SD Card Slot 1 indicator
13. SD Card Slot 2 indicator
14. Key On/Off Switch
15. GPS Indicator































Rear Panel

- | | |
|--|---|
| 16. DC power cord connecting socket | 23. Driver action device connecting socket |
| 17. External GPS unit connecting socket | 24. G-sensor box connecting socket |
| 18. Function Expansion I/O socket | 25. Trigger record device connecting socket |
| 19. System monitor connecting socket | 26. GSM router connecting socket |
| 20. Manual record button connecting socket | 27. Panic button connecting socket |
| 21. Video/Audio input connector | 28. Wireless Audio device connecting socket |
| 22. LAN I/O connecting socket | |



IR Remote Control

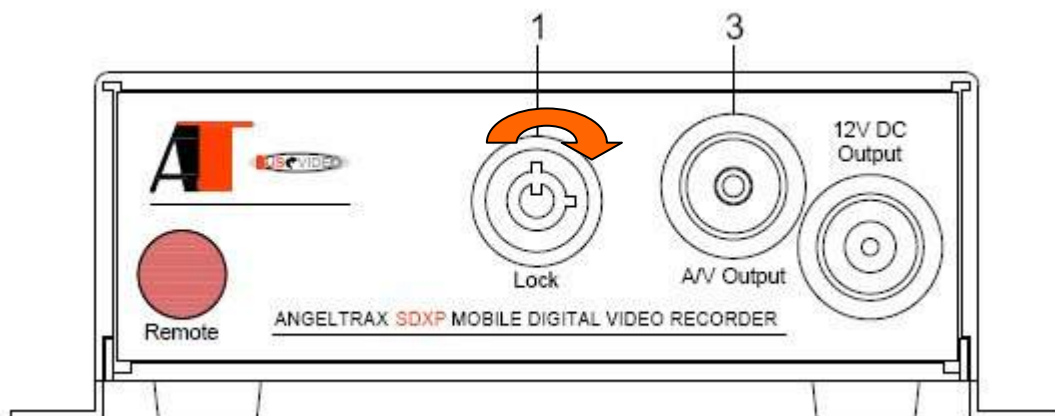


1.  Menu button
2.  Move up key
3.  Move down key
4.  Move left button
5.  Move right button
6.  Enter button
7.  Value up button
8.  Value down button
9.  Zoom button
10.  Sequence mode button
11.  Copy button
12.  Lock button (Key Lock)
13.  Rewind button
14.  Play button
15.  Pause button
16.  Stop button
17.  POP button
18.  Quad mode button
19.  Audio on button
20.  Audio mute button
21.  Camera 1 (Number key 1)
22.  Camera 2 (Number key 2)
23.  Camera 3 (Number key 3)
24.  Camera 4 (Number key 4)
25.  Number key 5
26.  Number key 6
27.  Number key 7
28.  Number key 8

INSTALLATION

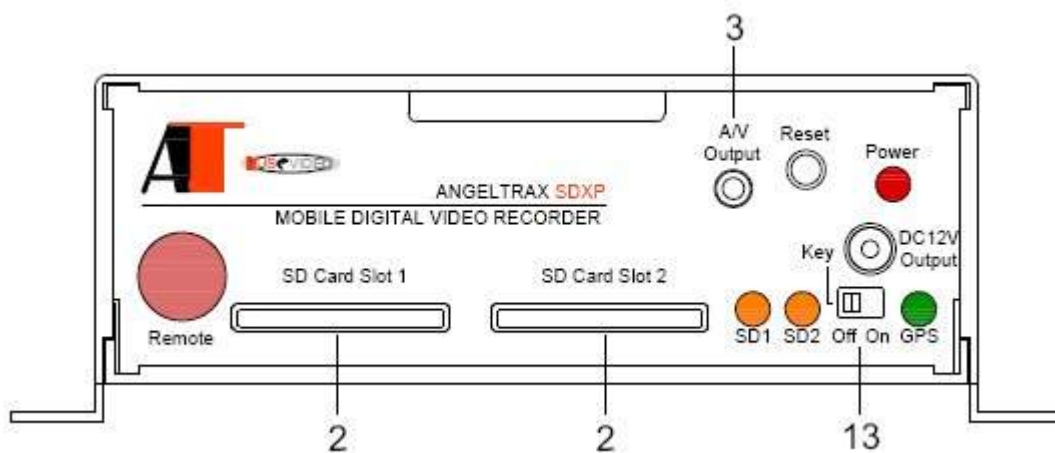
Please refer to the installation process as the following drawing:

1. Insert the key to key socket and turn right to open the front cover.

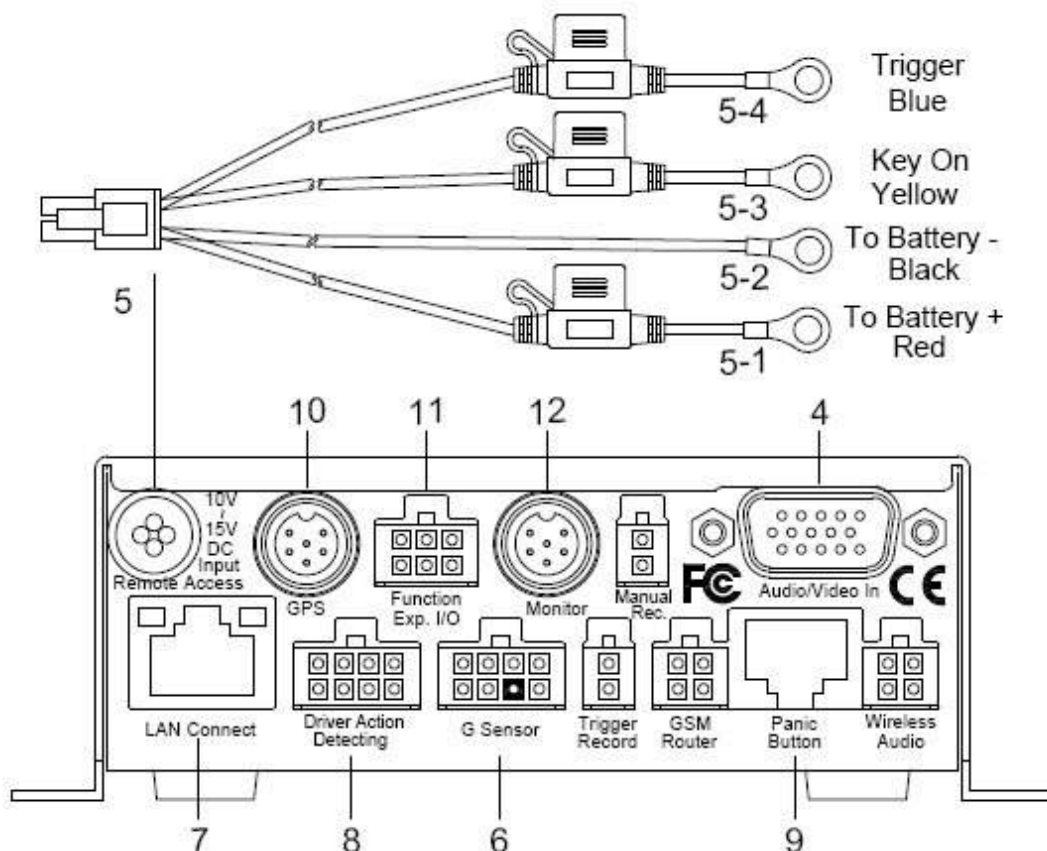


2. SD card installation

Insert the SD card into the SD card slot on front panel. There are 2 SD card slots available.



Please refer to the installation process as the following drawing:



3. Audio/Video output connection

Connect the monitor to A/V output terminal. There are two A/V output terminals for easy install.

4. System camera installation

Connect one end of camera cable to Camera and the other end to Video Input port at the back of DVR. Please duly number the camera for convenient operation.

5. Power connection

Plug the power cord to this connector and the other end to Battery (e.g. car battery). When the power is connected, the DVR is ready to be used.

The built-in power supply with delay circuit board is designed for DVR to delay switch-on time for 10 seconds. With the delay, it can avoid DVR working on unstable voltage.

Switch on/off voltage: 10.5 ~10.8V

Delay switch-on time while starting the car: 10 seconds

6. G-sensor box connection (optional)

Connect the G Sensor box to G Sensor box socket.

Make sure the G sensor box connected to DVR and setting the G sensor box type G1(2D G sensor box) or G2 (3D G sensor box). Please refer to the "SUB Menu" instruction.

7. LAN connection

This socket can connect LAN connecting cable for LAN function.

If you have AP router box(optional), please connect LAN Connecting port and GSM Router port. For further details, please refer to the instruction with AP Router Box.

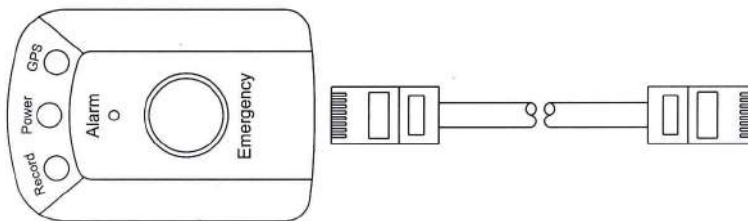
8. Driver action detecting connection (Optional)

Connect sensor signal box to driver action detecting port and follow the drawing showed below to connect the other end with the car signal wire.

9. Panic button (External signal box) connection (optional)

The external signal box can be connected to show DVR working condition when the DVR is hidden in trunk or somewhere cannot be seen. The box design has the following functions:

- a) Power indicator LED. b) Record indicator LED. c) GPS signal indicator LED.
- d) Alarm buzzer. e) Panic button for emergency.



10. External GPS unit connection (optional)

This socket can connect external GPS unit for future requirement.

11. Function Expansion I/O connection (optional)

This socket can connect Function Expansion device for future requirement.

12. System monitor connection (optional)


This socket can connect system monitor.

13. Key On/Off select switch

When the DVR devices are connected, please turn on the DVR by the Key On/Key Off select switch on front cover.

BEFORE OPERATION

The system will auto detect the hardware and enter **Recording** mode while hardware is in normal condition.

If the system has not set the time yet, please press MENU  key to “Date/Time setup” to set the correct time.

If the screen has no video, please check whether A/V input connector is connected with camera correctly or not.

Suggest to turn on camera power before turn on the system power.


OPERATION

The system is preset to OFF under [KEY LOCK] mode. If the system is set to ON under [KEY LOCK] mode, the screen will show the following message. Please key in security code by remote control number buttons to enter OSD Menu for setting.

LOGIN DVR

PLEASE ENTER PASSWORD
PASSWORD: 0000
[OK]

SELECT NUMBER: 0~9

Then, press  [Enter] button. If the screen shows below, it means the password is correct.

LOGIN SUCCESS

WELCOME TO DVR SYSTEM

If the screen shows below, it means the password is incorrect. Then, please enter correct password in order to enter Main Menu or playback.










LOGIN DVR


PASSWORD FAIL

PLEASE ENTER PASSWORD
PASSWORD: x x x x






SELECT NUMBER: 0~9

OSD (On Screen Display) Menu Setting Operation Process

1. Press  Menu button to enter the MAIN MENU selection mode.
2. Press  Up /  Down button to select the item for setting.
3. Press  ENTER button to enter Sub Menu to select item for setting.
4. Press  Left /  Right button to move the cursor left or right.
5. Press  (value up) or  (value down) button to change the value.
6. Press  Menu button to exit for other settings.

Note: The  Menu button allows you to enter a selection as well as go back/exit.

Screen Instruction:

4CH A01	SD1	85% R	BUS-0000000
	 01	 02	
	 03	 04	
	D:___	12.6V	0MPH H:___
	09/15/11	06:22:04PM	 CON

01: Camera 1

02: Camera 2

03: Camera 3

04: Camera 4

BUS0000000: Bus Number or DVR number

85%: The percentage of CF card free space.

1. HDD information

[OW]: Recycle recording (Overwrite enabled)

[O]: Once recording (Overwrite not allowed)

2. Audio channel

[A1]: Audio in channel 1

[A2]: Audio in channel 2

[A3]: Audio in channel 3

[A4]: Audio in channel 4

[MUTE]: Audio mute

3. Status

[REC]: Recording

[LIV]: View mode (Without recording)

[BOT]: The DVR system is booting.

[PB]: Playback mode

[NOP]: No operation process (HDD is removed incorrectly.)

4. Record mode

[CON]: Continuous record


[MON]: Motion record

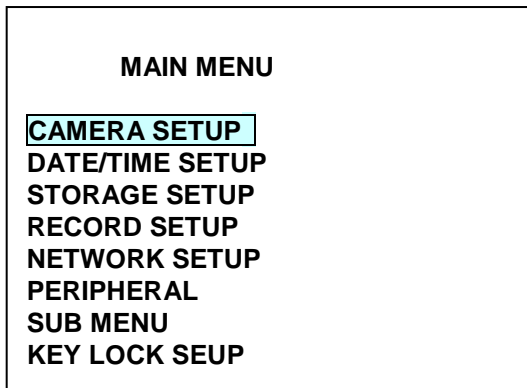
[ALM]: Alarm record



OSD Setting Operation


1. Camera Setup Operation

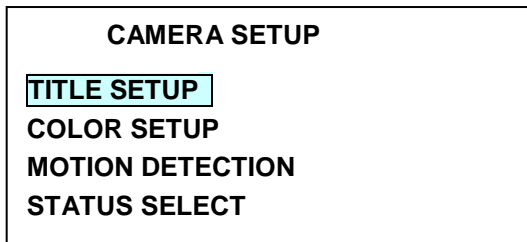
1.1 Title Setup


- A. Press MENU  button to enter menu selection mode.

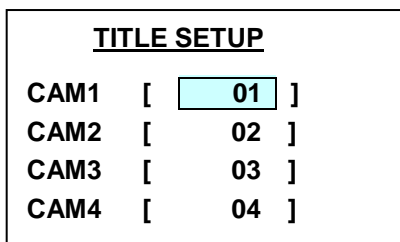


- B. Use  /  button to select [CAMERA SETUP] setting section.

- C. Press  button to enter Camera Setup screen:





- D. Press  button to enter camera title setup:




(Can be set by 0~9 or A~Z.)




E. Use  /  /  /  button to select channel to be set with title.




F. Use  /  button to change the camera number.






G. Press MENU  button to exit for other settings.

1.2 Color Setup








A. Press MENU  button to enter menu selection mode.

B. Use  /  button to select [CAMERA SETUP] setting section and press  button to enter channel select mode.






C. Use  /  button to select [COLOR SETUP] setting section and press  button to enter.

<u>COLOR SETUP</u>	
CAM	[1]
BRIGHTNESS	 [32]
CONTRAST	 [32]
SATURATION	 [32]
HUE	 [32]
GAIN	 [32]
MIRROR	[OFF]
BLIND	[OFF]

- Brightness: Brightness is adjustable from 00~63, "00" = the darkest, "63" = the lightest.
- Contrast: Contrast is adjustable from 0 ~ 63, "00" = maximum, "63" = minimum.
- Saturation: Saturation is adjustable from 0~63, "00" = maximum, "63" = minimum.
- Hue: Hue is adjustable from 0~63, "00" = maximum, "63" = minimum.
- Gain: "63" = maximum, "00" = minimum.
- Mirror function ON or OFF select.
- Blind.

- D. Use  /  button to select the camera. (CAM 01/02/03/04)
- E. Use  /  button to select the item to be changed.
- F. Use  /  button to change the value.
- G. Press MENU  button to exit for other settings.

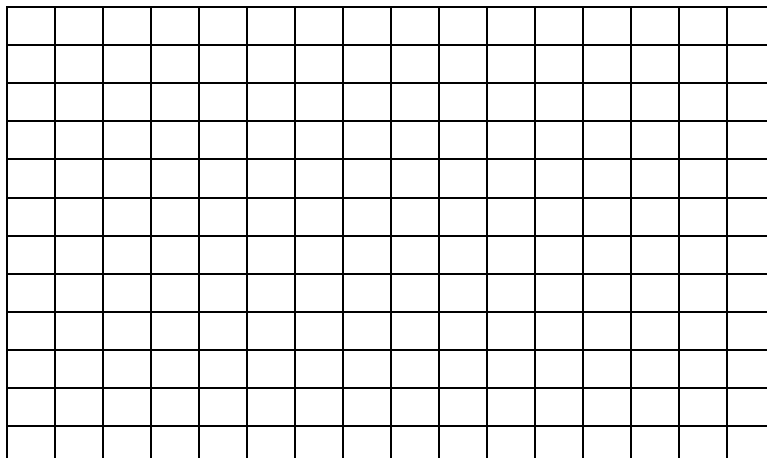
1.3 Motion Detection

- A. Press MENU  button to enter menu selection mode.
- B. Use  /  button to select [CAMERA SETUP] setting section.
- C. Use  /  button to select [MOTION DETECTION] setting section.




MOTION DETECTION	
AREA SETTING	CAM [1]
	[RUN]
SENSITIVITY	[04]
(1: MOST SENSITIVE)	
RELAY OUT	[OFF]

(1 is the most sensitive value. There are 4 levels to be selected.)

- D. Move cursor to [RUN] and press Enter button to enter area setting and the screen will show as below (There are 16 x 12 blocks):






E. Use  /  /  /  button to select the area.





F. Use  /  button to activate or close the detection of the area. Press  button to select all activated or close. [This function will be activated when the record mode is set to "Motion Detection (M)".]

G. Press MENU  button to exit.



1.4 Status Select



A. Press MENU  button to enter menu selection mode.

B. Use  /  button to select [CAMERA SETUP] setting section.

C. Use  /  /  /  button to select [STATUS SELECT] setting section.


STATUS SELECT	
FULL SCREEN DOOR:	<input type="text" value="ON"/>
LIVE DISPLAY	
DOOR 1:	<input type="text" value="CAM1"/>
DOOR 2:	<input type="text" value="CAM 2"/>
BU DISPLAY:	<input type="text" value="CAM4"/>

D. Use  /  button to select the camera to be changed.

E. Use  /  button to change the Full Screen by Door function or Live Display function On or Off.



F. Press MENU  button to exit for other setting.


2. Date / Time / Daylight Saving Time Setting

A. Press MENU  button to enter menu selection mode.





B. Use  /  button to select [DATE/TIME SETUP] setting section.

DATE/TIME SETUP	
DISPLAY FORMAT:	[MM/DD/YY]
TIME FORMAT:	[12H]
YEAR	[2011]
MONTH	[09]
DAY	[15]
HOUR	[12]
MINUTE	[20]
SECOND	[50]
DAYLIGHT SAVING TIME	
TIME ZONE SETUP	

C. Use  /  button to change the Display Format.

D. Use  /  /  /  button to select the other item.
(Year/Month/Day/Hour/Minute/Second).

E. Use  /  button to change the value.

F. If you want to set daylight saving time, then you can use  /  button to go daylight saving section and use  /  button to turn on daylight saving

mode for setting. Or, press MENU  button to exit for other setting.

DAYLIGHT SAVING TIME

TURN: **[OFF]**

START TIME: (M/D H) 04/10 00:00

MONTH: [04]

WEEK: [2 ND]

DAY: [SUN]

HOUR: [00]

END TIME: (M/D H) 11/06 00: 00

MONTH: [11]

WEEK: [1 ST]

DAY: [SUN]

HOUR: [00]


TIME ZONE SETUP

AUTO TIME ADJUST BY GPS: **[OFF]**


GMT: -08: 00]

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3. Storage Setup

A. Press MENU  button to enter menu selection mode.

B. Use  /  button to select [STORAGE SETUP] setting section and press

 button to enter the following screen:

STORAGE SETUP

INFORMATION

REC MODE: [RECYCLE]

FORMAT

AUTO FORMAT WITH NEW SD: [ON]

AUTO FORMAT AFTER FW UPDATE: [ON]

RECYCLE: OVERWRITE

ONCE : STOP RECORDING WHEN FULL

3.1 SD Card Information

A.. Use  /  /  /  button to select [INFORMATION] setting

section and press  button to enter.

STORAGE INFORMATION

SD1:

MODEL: SDHC

SIZE: xxx.x GBYTES

SD2:

MODEL: SDHC

SIZE: xxx. x GBYTES

MENU: EXIT

(The screen will show current SD card information.)

C. Press  Menu button to exit

3.2 REC Mode

A.. Use  /  /  /  button to select [REC MODE] setting section.



REC MODE: [RECYCLE]

(RECYCLE or ONCE to be selected.)

B. Use  /  button to select HDD recording mode to RECYCLE or ONCE.

C. Press  Menu button to exit.

3.3 Format

A.. Use  /  /  /  button to select [HDD FORMAT] setting

section and press  button to enter.

FORMAT

SELECT [1]
FORMAT [NO]



SELECT YES AND PRESS ENTER
TO START FORMATING

B. Use  /  button to “RUN” and press  button to enter.

3.4 Auto Format







A.. Use  /  button to select [AUTO FORMAT] setting section.

AUTO FORMAT WITH NEW SD: [ON]
AUTO FORMAT AFTER FW UPDATE: [ON]

B. Use  /  button to select ON or OFF for the request.

C. Press  Menu button to exit.

4. Record Setup

- A. Press  Menu button to enter menu selection mode.
- B. Use  /  /  /  button to select [RECORD SETUP] setting section.
- C. Press  button to enter [RECORD SETUP] select mode.

RECORD SETUP

RECORD MODE



CONTINUOUS RECORD



ALARM RECORD

MOTION RECORD






SCHEDULE

	AM												1 PM												2											
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3												
SUN																																				
MON																																				
TUE																																				
WED																																				
THU																																				
FRI																																				
SAT																																				

 CONTINUOUS
 MOTION

 ALARM
 NON-RECORD

Record Mode Setup: Continuous, Alarm, Motion and Non-Record to be selected.

- D. Use  /  to select time for setting.
- E. Use  /  button to select the record mode (C / M / A).
- F. Press  Menu button to exit.

CONTINUOUS RECORD																										
RECORD QUALITY:		[SUPER]																								
COMPRESSION/FPS :		[JPEG 60]																								
- - - RECORD SCHEDULE - - -																										
		- AM								1 PM								2								
CAM	REC	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	PRI
1	[ON]	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[OFF]
2	[ON]	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[OFF]
3	[ON]	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	[ON]	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

☐ : REC OFF ☒ : REC ON

Continuous Record: to set up 4-level record quality and 4 kinds of frame rates for record.

* Quality: Standard / Normal / High / Super.

* REC FPS: Set up frame per second (fps) as below

MP4L 30/60/120 (fps)

JPEG 15/30/60 (fps)

(When the DVR power is ON, it will detect the system in NTSC or PAL by the camera installed.)

c. Alarm Record: to set up 4-level record quality, 4 kinds of frame rates and duration for record while detecting alarm or motion.

ALARM RECORD	
RECORD QUALITY:	[SUPER]
COMPRESSION/FPS:	[JPEG 60]
REC/FULL SCREEN TIME:	[30] SECONDS
PRE RECORD:	[2 MIN]

* Quality: Standard / Normal / High / Super.

* REC FPS: Set up frame per second (fps) as below

H4L 8/15/30/60/90 (fps)

JPEG 15/30/45 (fps)

* REC Time: 10 / 20 / 30 / 40 / 50 / 60 (seconds)







- d. Motion Record: to set up 4-level record quality, 4 kinds of frame rates and duration for record while detecting alarm or motion.

MOTION RECORD	
RECORD QUALITY:	[SUPER]
COMPRESSION/FPS:	[JPEG 60]
REC/FULL SCREEN TIME:	[30] SECONDS
PRE RECORD:	[2 MIN]

- * Quality: Standard / Normal / High / Super.
- * REC FPS: Set up frame per second (fps) as below
H4L 8/15/30/60/90 (fps)
JPEG 15/30/45 (fps)
- * REC Time: 10 / 20 / 30 / 40 / 50 / 60 (seconds)
- * Pre Record: 1~5MIN or OFF for select

5. Network Setup

Note: This function will be available when the LAN is connected.

- A. Press  MENU button to enter the MAIN MENU selection mode.
- B. Use  /  button to select the [NETWORK SETUP] setting section.
- C. Press  button to enter the MEDIA TYPE selection mode and use  /  button to select the type of [WIRED], [WIRELESS DONGLE] or [MOBILE 3G].

NETWORK SETUP	
NETWORK:	[WIRED]
DDNS SETUP	
E-MAIL SERVER	
E-MAIL ADDRESS	
STATUS: DIS CONNECTED	

Wired Network Setup:

```

WIRED NETWORK SETUP
MODE [ DHCP ]
PORT [ 00080 ]
IP    [ 192 168 0XX 0XX ]
G/W   [ 192 168 0XX 0XX ]
MASK  [ 255 255 255 000 ]
DNS   [ 192 168 0XX 00X ]
MAC: 00- 14- 62- 00-xx-1E
STATUS: DIS-CONNECTED
      [ SAVE ]

```

Wireless Network Setup:

WIRELESS NETWORK SETUP

SSID

[]

CHANNEL ID

[000]

ENCRYPTION

[OFF]

KEY

[]

MODE

[DHCP]

PORT

[00080]

IP

[192 168 0XX 0XX]

G/W

[192 168 0XX 0XX]

MASK

[255 255 255 000]

DNS

[192 168 0XX 00X]

STATUS: DIS-CONNECTED

[SAVE]

[CLEAR]

Mobile 3G Setup:

MOBILE 3G SETUP

PORT : [0 0080]

PIN CODE : []

APN NAME : []

[MODEM STRINGS]

INITIAL : []

DIAL : []

[OPTIONAL PPP SETTING]

USERNAME: []




PASSWORD: []

[SAVE] [CLEAR]

STATUS : DIS-CONNECTED

IP : 192.168.XXX.XXX

NETWORK ID: 00-14-62-00-xx-1E

- A. Use  /  button to select [DDNS] and press  to enter DDNS SETUP.

DDNS SETUP

STATE [OFF]

ACCOUNT

[]

[]

PASSSSWORD []





DOMAIN NAME


[]

[]

DDNS SERVER [DYNDNS.ORG]


[SAVE] [CLEAR]

- B. Use  /  button to select the item for setting.
- C. Use  /  button to change the value.

D. Press  Menu button to exit for other settings.

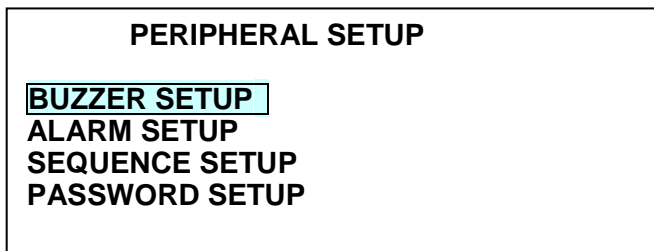
Please refer to the LAN instruction for more details.

7. Peripheral Setup



A. Press  Menu button to enter menu selection mode.


B. Use  /  button to select [PERIPHERAL] setting section.

C. Press  button to enter [PERIPHERAL] setup select mode.

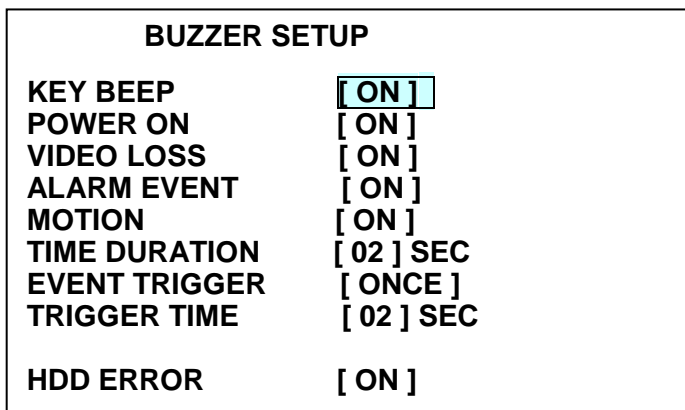


7.1 Buzzer Setup



A. Use  /  button to select [BUZZER SETUP] setting section.

B. Press  button to enter [BUZZER SETUP] select mode.

Buzzer: to set buzzer alarm time for video loss, motion detected, I/O alarm detected and key move alarm.





- * Key beeping: Buzz when button is pressed (one buzz).
- * Power on: Buzz when system power on (one buzz).
- * Video loss: Buzz when video signal is lost.
- * Alarm Event: Buzz when alarm input is triggered.
- * Motion: Buzz when system motion is detected.
- *Time duration: 1~60 seconds to be selected.


C. Use  /  to select item for setting.

D. Use  /  button to select On/OFF.

E. Press  Menu button to exit.

7.2 Alarm Setup

A. Use  /  button to select [ALARM SETUP] setting section.

B. Press  button to enter [ALARM SETUP] select mode.

ALARM SETUP

ALARM INPUT

ALARM OUTPUT

ALARM INPUT SETUP

ALARM IN	STATUS	OUT	FULL
1	<div style="border: 1px solid black; display: inline-block; padding: 2px 5px;">[NO]</div>	[ON]	[OFF]
2	[NO]	[ON]	[OFF]
3	[NO]	[ON]	[OFF]
4	[NO]	[ON]	[OFF]
5	[NO]	[ON]	[OFF]
6	[NO]	[ON]	[OFF]
7	[NO]	[ON]	[OFF]
8	[NO]	[ON]	[OFF]

**FULL: CHANGE CHANNEL TO FULL
SCREEN WHEN TRIGGERED**

* NC = Normal Close: The signal loop is closed under normal condition. When the loop becomes open, alarm will be triggered till the loop becomes closed again. In other words, if the loop keeps opening for a period of time, alarm will keep on being triggered in that time interval.

* NO = Normal Open: The signal loop is opened under normal condition. When the loop becomes closed, alarm will be triggered till the loop becomes opened again. In other words, if the loop keeps closing for a period of time, alarm will keep on being triggered in that time interval.

*Full: Full screen

ALARM OUTPUT SETUP				
CH	TRIGGER SECOND	ALARM INPUT	VIDEO LOSS	MOTION DETECT
1	[10]	[YES]	[YES]	[YES]

C. Use  /  /  /  to select item for setting.

D. Use  /  button to select ON/OFF the status and 1~60 seconds for the time.

E. Press  Menu button to exit.

7.3 Sequence Setup

A. Use  /  button to select [SEQUENCE SETUP] setting section.


B. Press  button to enter [SEQUENCE SETUP] select mode.

SEQUENCE SETUP	
FULL SCREEN: [0 1] SEC	




(1~10 seconds to be selected.)

C. Use  /  button to select value.

D. Press  Menu button to exit.

* After above setting, press  (Sequence) button under Live/Record mode to activate this function.

7.4 Password Setup

- A. Use  /  button to select [PASSWORD SETUP] setting section.
- B. Press  button to enter [PASSWORD SETUP] select mode.

PASSWORD SETUP

NEW 0 0 0 0

CONFIRM 0 0 0 0


SELECT NUMBER: 0~9

**PASSWORD IS APPLICABLE TO STOP
RECORDING AND DISABLE KEY LOCK**

(Initial password: 6666)







* Key in the password by number keys. (1~8, SEQ or Quad keys)

- C. Use number button to change the password. (Please refer to Key & Function Operation section for the number keys.)

- D. Press  Menu button to exit.

Please contact your distributor for more information if you forgot password.

8. SUB Menu

- A. Press  Menu button to enter menu selection mode.
- B. Use  /  /  /  button to select [SYSTEM SETUP] setting section.
- C. Press  button to enter [SUB MENU] select mode.

SUB MENU


GPS

G SENSOR [G1]
DVR ID
FACTORY DEFAULT
UPDATE CODE
AUDIO
ALERT SETUP
NOTIFICATION
CH3 VIDEO LOSS EVENT [OFF]
EVENT LED [TRIGGER]
LED TIME [20]

POWER DELAY TIME [005]

8.1 GPS (Optional)

This function is available when DVR is connected with the GPS device.

- D. Press  button to enter [GPS] select mode.

GPS

BAUD RATE: [9600]
SPEED LIMIT: [100]
SPEED UNIT: [MILE]


* Baud rate: 2400/4800/9600 to be selected.

* Speed limit: 000 ~ 999 to be selected.

* Speed unit: Mile or KM to be selected.

- C. Use  /  to change baud rate.



- D. Use  /  to set speed limit.



- E. Press  button to enter [GPS] mode.


- F. Use  /  or number keys to set the speed.

G. Press  Menu button to exit.

8.2 G-sensor

A. Use  /  button to select [G SENSOR [G1]] setting section.



B. Use  /  button to select G SENSOR [G1] or G SENSOR [G2]

C. Press  button to enter [G SENSOR[G1]] select mode.

G SENSOR G VALUE: [1.5] G
--

Or enter [G SENSOR [G2]] mode.



G SENSOR X VALUE: [1.5] G Y VALUE: [1.5] G Z VALUE: [1.5] G
--

D. Use  /  or number keys to change G-value.

E. Press  Menu button to exit.

8.3 DVR ID

The DVR ID is for setting DVR ID number.

A. Use  /  button to select [DVR ID] setting section.

B. Press  button to enter [DVR ID] select mode.

DVR ID VEHICLE TYPE: [ID] VEHICLE ID : [12345678] DRIVER: [xxxxxxxxxxxxxxxxxxxxxx] CLIENT: []

* Vehicle type: ID/BUS/TAXI/TRAIN/TRUCK to be selected.



* Vehicle ID: Can set 8 digits/alphabets (0~9 or A~Z).

* Driver/Client: Can set 21 alphabets/digits.

C. Use  /  button to select Vehicle type.

D. Use  /  to set Vehicle ID/Driver/Client.

E. Use  /  to move the cursor.

D. Use  /  or number keys to change the digits/alphabets.

E. Press  Menu button to exit.


8.4 Factory default

A. Use  /  button to select [FACTORY DEFAULT] setting section.

B. Press  button to enter [FACTORY DEFAULT] select mode.



FACTORY DEFAULT	
LOAD FACTORY DEFAULT:	<input type="text" value="NO"/>
DEBUG MODE:	<input type="text" value="NO"/>

C. Use  /  button to select YES or NO.

D. Press  button to RUN this function. (When you press Enter button, the DVR will go back to factory default. The screen will show "LOAD FACTORY DEFAULT OK".)

E. Press  Menu button to exit.


8.5 Update Code

A. Use  /  button to select [UPDATE CODE] setting section.

B. Press  button to enter [UPDATE CODE] select mode.



UPDATE CODE	
LOAD PC PLAYER	[NO]
FIRMWARE UPGRADE	[NO]
EXPORT SETTINGS	[NO]
VERSION: 0.1.42	


C. Use  /  button to select YES or NO.

D. Press  button to RUN this function.

E. Press  Menu button to exit.

8.6 Audio

A. Use  /  button to select [AUDIO] setting section.

B. Press the  button to enter [AUDIO] selection mode.


AUDIO	
INPUT VOLUME:	16
OUTPUT VOLUME:	11
AUDIO LIVE/RECORD: [ON]	

C. Use  /  button to select INPUT VOLUME/OUTPUT VOLUME from “1~16”.

D. Press  Menu button to exit.

8.7 Alert Setup

A. Use  /  button to select [ALERT SETUP] setting section.

B. Press  button to enter [ALERT SETUP] selection mode.

ALERT SETUP	
PANIC	[ENABLE]
VIDEO STATUS	[ONCE]
OVER SPEED	[ENABLE]
OVER G-FORCE	[DISABLED]
START RECORDING	[DISABLED]
STOP RECORDING	[DISABLED]
HDD FAIL	[ONCE]
DVR BOOT UP	[ENABLE]
STOP ARM	[ENABLE]
CLOCK SET TO GPS TIME	[DISABLED]
DVR ID CHANGE	[DISABLED]
HDD RECYCLE MODE	[DISABLED]
DATE/TIME CHANGE	[DISABLED]
POWER KEY OFF	[DISABLED]
SNAPSHOT SOURCE	[CAM1]

* Enable/Disabled/Once to be selected.



* Snapshot Source: CAM1~4 to be selected.

C. Use  /  button to select the item.

D. Use  /  button to adjust the function.

E. Press  Menu button to exit.



8.8 Notification Setup

A. Use  /  button to select [NOTIFICATION] setting section.

B. Press the  button to enter [NOTIFICATION] selection mode.

NOTIFICATION SETUP	
NOTIFICATION:	[ZONAR]

* Notification type: ZONAR or Tracker to be select.



C. Use  /  button to select the Notification type.

D. Press  Menu button to exit.

8.9 CH3 Video Loss Event

- A. Use  /  button to select [CH3 VIDEO LOSS EVENT] setting section.

CH3 VIDEO LOSS EVENT [OFF]

- B. Use  /  button to select ON or OFF function.

- D. Press  Menu button to exit.

8.10 Event LED Setting

- A. Use  /  button to select [EVENT LED [TRIGGER]] setting section.

EVENT LED [TRIGGER]

- B. Use  /  button to select [TRIGGER] ,[OFF] or [ONCE].

- C. Press  Menu button to exit.

8.11 LED Time Setting





- A. Use  /  button to select [EVENT LED [TRIGGER]] setting section.

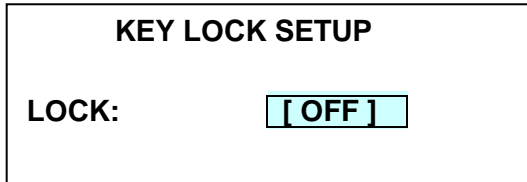
LED TIME [20]




- B. Use  /  button to adjust time.


- C. Press  Menu button to exit.

9. Key Lock Setup

- A. Press  button to enter Menu selection mode.
- B. Use  /  button to select [KEY LOCK SETUP] setting section.
- C. Press  button to enter [KEYLOCK SETUP] select mode.









- D. Use  /  button to select ON or OFF.
- E. Press  Menu button to exit.

After exiting the OSD Main Menu, press the  (Lock) button to activate this function.

PLAYBACK RECORDED DATA

There are two ways to playback the recorded data.

1. Playback by Time:

- Press  Play button, the screen will display SEARCH menu.
- Use  /  /  /  buttons to select the start day and time which you want to playback, then move to "RUN" and press  Enter button to playback.

SEARCH


TIME: 2011/ 09 / 16 12:20:30 [RUN]

EVENT SEARCH

BEGIN: 2011-09-06 12:00

END: 2011-09-18 15:30

2. Playback by Event:

- Press  "Play" button, you can select the PLAY BY EVENT from SEARCH menu.

SEARCH





TIME: 2011-09-06 12:20:30 RUN



EVENT SEARCH

BEGIN 2011-09-06 12:00

END 2011-09-18 15:30

EVENT SEARCH			
	YY/MM/DD	HH/MM/SS	PAGE00
0001	11/09/06	12:00:30	R00
0002	11/09/06	12:03:25	M00
0003	11/09/06	12:06:35	M00
0004	11/09/06	12:09:30	M00
0005	11/09/06	12:15:30	L00
0006	11/09/06	12:20:30	A00
0007	11/09/06	12:30:30	B00
0008	11/09/06	12:30:30	A00
0009	11/09/06	12:40:30	B00
0010	11/09/06	12:50:30	P00
A:ALARM L:LOSS S:SPEED M:MOTION			
R:RECORD B:BOOT P:PANIC G:GSENSOR			
I: BLIND T: TIME UPDATE O: OVERWRITE			
K: K-OFF			

- Use  /  button to select page.
- Use  /  button to select event which you want to playback.

- d 、 Press  Enter button to playback.
- e 、 During playback, press stop button for back to EVENT SEARCH.
Press  Menu button to exit.

- * Each page can display 10 events (maximum 1000 events can be recorded).
- * The event log will be cleared simultaneously when HDD is formatted.
- * EVENT is recorded on the HDD. It can be searched for playback when the HDD is removed and installed into the other DVR in same type.

In the playing mode, you can use play bar to control play function. The play bar buttons are introduced below:



FAST FOR.: Fast Forward.

Press the “FF” once, the playback speed will be changed to x2 speed. Press “FF” again, the playback speed will be changed to x4. And, press it again, the playback speed will be changed to x8. If you want to return to normal playback speed, just press the “Play” button.



FAST REW.: Fast Rewind

Press the “FB” once, the backward speed will be changed to x2 to play backwards. Press “FB” again, the backward speed will be changed to x4. And, press it again, the backward speed will be changed to x8. If you want to return to normal backward speed, just press the “Play” button.



Pause: Pause the playback.



Stop: Stop playback and go back to View mode.

*** This document is subject to change without notice.**