4CH MPEG4 DVR

Quick Guide

Please read instructions thoroughly before operation and retain it for future reference.

The image shown above may differ from the actual product appearance.

760A_761A_Quick_V0.9

1. FRONT AND REAR PANELS

1.1 Front Panel

1) <u>LED Indication</u>

   The following LEDs will be on when:

   HDD: HDD is reading or recording
   HDD Full: HDD is full.
   ALARM: Once the alarm is triggered
   TIMER: When timer recording is turned on
   PLAY: Under playing status
   REC: Under recording status

2) <u>MENU</u>

   Press this button to enter / exit the DVR menu mode.
   In the sub-layer of the DVR menu, press this button to confirm the settings and go back to the upper layer.

3) <u>ENTER</u>

   Confirm the password entering.

4) <u>REC</u>

   Press this button to activate manual recording.

5) <u>LIST (Event List Search)</u>

   To quick search the recorded files by event list, press this button to show all types of the event lists.
   Select one of the event list and press "ENTER" button to playback the selected file.
   MANUAL: List the information of the manual-recorded files. The DVR will save one recorded file once any recording setting is changed
   SYSTEM: List the information of the system-recorded files. The DVR system will save one recorded file every one hour.
   MOTION: List the information of the motion-trigger-recorded files.
   TIMER: List the information of the timer-recorded files.

6) <u>SLOW</u>

   Under the playback mode, press this button to slowly playback the recorded file (by 1/4 speed or 1/8 speed).

7) <u>ZOOM</u>

   In the live mode of the DVR, press this button to enlarge the image of the selected channel.

8) ⊞ / −

   Press "⊞" button to show the 4 channel display modes.
   Press "−" button to change the setting in the menu.

9) <u>SEQ / +</u>

   Press "SEQ" button to activate the call monitor function, and press again to quit.
   Press "+" button to change the setting in the menu.

10) <u>Power</u>

   Press this button long enough to turn on/off your DVR.

Note: Under the recording mode, please stop recording before turning off your DVR.

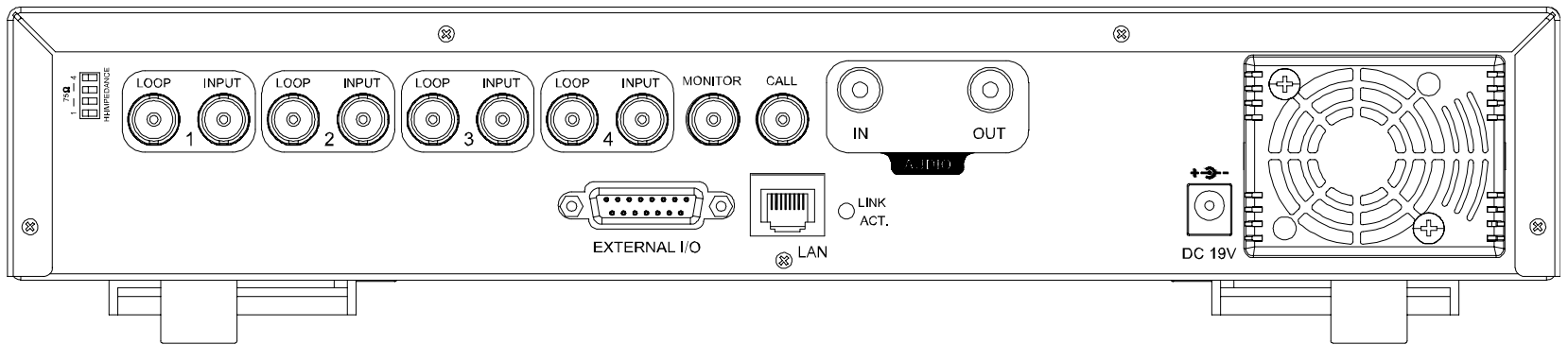11) <u>1 / 2 / 3 / 4</u>

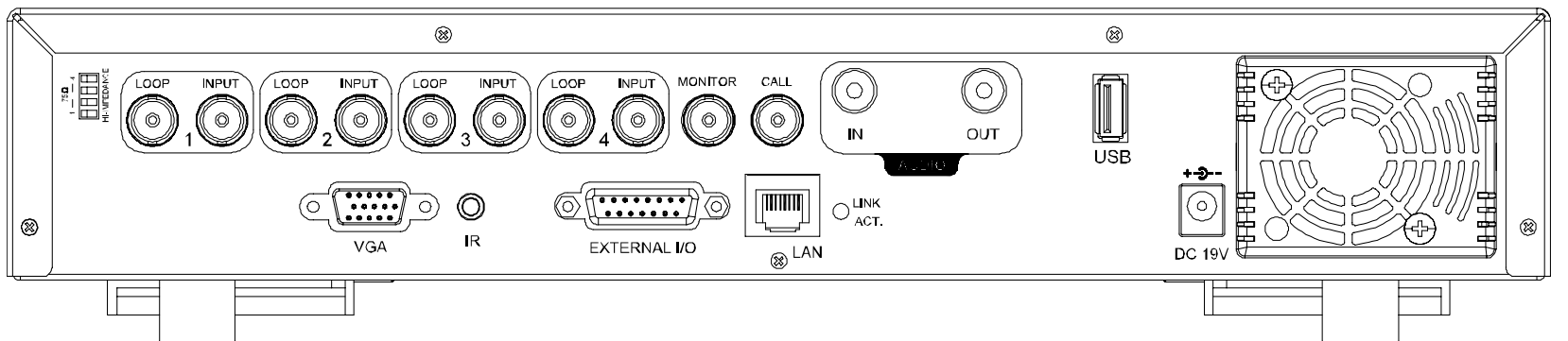   Press one of these buttons to show the channel display of CH1 ~ CH4 on the monitor.

12)

Press this button to play the recorded video.

13) <u>Pause / Stop / Rew / FF</u>

Under the playback mode:
Press one of these button to pause / stop / rewind / fast-forward the playback file.

14) <u>Up / Down / Left / Right</u>

Press one of these direction buttons to move the cursor up/down/left/right.
Under the DVR menu mode, these direction buttons can use for the following operation:
Up / Down: Make the selection / Change the settings
Left / Right: Make the selection

15) (Audio)

Press these two buttons at the same time to select live or playback sounds of the audio channels.

16) (PTZ)

Press these two buttons at the same time to enter / exit the PTZ control mode.
In the PTZ control mode → Zoom in: Press "＋" button ; Zoom out: Press "－" button
Adjust PTZ angle: Press direction buttons to turn up/down/left/right

17) <u>"MENU" + "ENTER" (Key lock)</u>

Press these two buttons at the same time to lock keys on the DVR front panel.

1.2 Rear Panel

· Model 1

· Model 2

1) 75Ω / HI-IMPEDANCE

When using LOOP function, please switch to HI-IMPEDANCE. Otherwise, please switch to 75Ω.

2) LOOP / INPUT (For channel 1~4)

LOOP: Video output connector.
INPUT: Connect to video sources, such as cameras.

Note: If you want to playback the video with audio, please connect an audio camera to INPUT 1 on the DVR rear panel.

3) MONITOR

Connect to MAIN monitor.

4) CALL

Connect to CALL monitor to show the channel display one by one.
When any alarm is triggered, CALL monitor will show the image of the triggered channel for a period of time.

5) AUDIO IN

Connect to audio sources, such as cameras equipped with the audio function.
When users start recording, the audio input will also be recorded.

6) AUDIO OUT

Connect to a monitor or speaker with 1 mono audio output.

7) USB (Model 2 only)

To quickly backup or upgrade firmware/OSD, you can insert a compatible USB flash drive into this USB port.
Before using the USB flash drive, please use your PC to format the USB flash drive as "FAT32" first.

Note: For the list of compatible USB flash drives, please refer to page 56 in your user manual.

8) <u>IR (Model 2 only)</u>

   Connect the IR receiver for remote control.

9) <u>EXTERNAL I/O</u>

   Insert the supplied 15PIN DSUB to this port for connecting external devices (external alarm, PTZ camera, etc).

   For detailed I/O port PIN configuration, please refer to page 55 in your user manual.

10) <u>LAN</u>

   Connect to Internet by LAN cable.

11) <u>LINK ACT.</u>

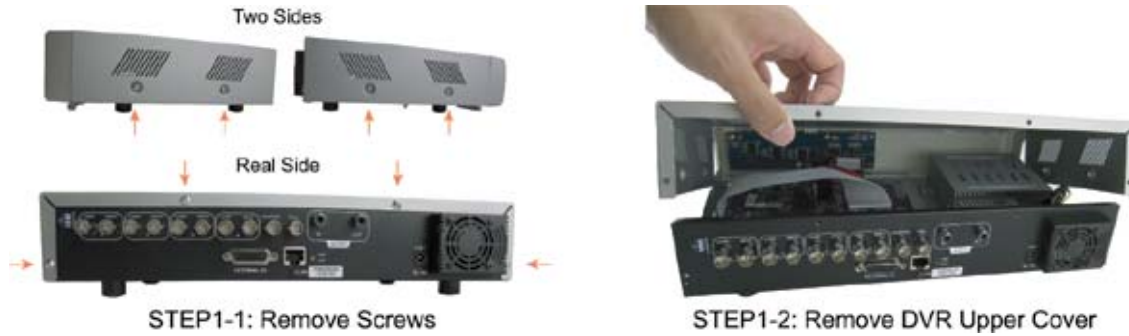   When your DVR is connected to the Internet, this LED will be on.

12) <u>DC 19V</u>

   Connect to the supplied adapter.

2. CONNECTIONS AND SETUP

2.1 HDD Installation

The HDD must be installed before the DVR is turned on.

Step 1: Loose the screws on the upper cover and open the upper cover of the DVR.

STEP1-1: Remove Screws

STEP1-2: Remove DVR Upper Cover

Step 2: Remove the HDD bracket.

STEP 2: Remove HDD Bracket
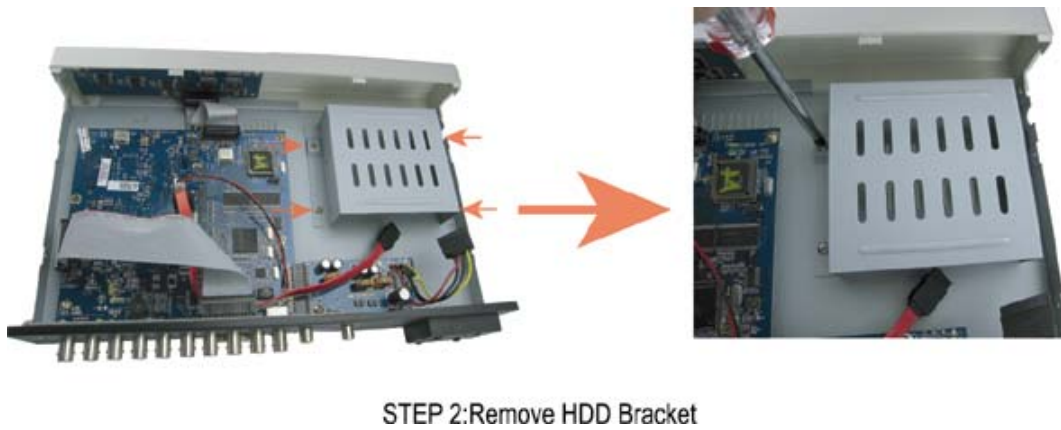
Step 3: Get a compatible SATA HDD, and connect it to the power connector and data bus connector (make sure to align the HDD precisely for pin connection).

STEP3: Connect to power connector & data bus connector
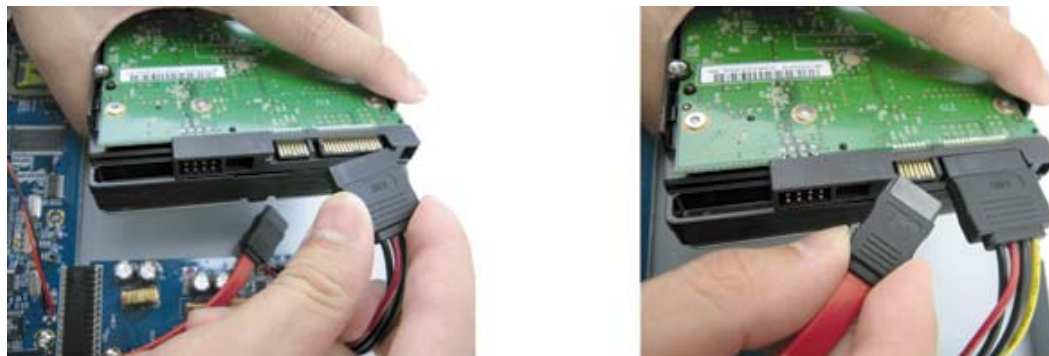
Step 4: Put the HDD to the DVR, and replace the HDD bracket back to the DVR base.

STEP4: Put the HDD and replace the bracket back

Step 5: Close the upper cover of the DVR, and fasten all the screws you loosened in Step 1.

2.2 Camera Connection

The cameras must be connected and power-supplied **BEFORE** the DVR is turned on. The DVR will automatically detect the video system of the connected camera(s) (NTSC / PAL), and switch itself to the correct system.

Connect the camera with the indicated power supply, and connect the camera video output to the DVR video input port with a coaxial cable or RCA lines with BNC connectors.

Note: For detailed DVR video input / output ports, please refer to "1.2 Rear Panel" at page 3.
For detailed camera operation, please refer to its own manual.

Note: If you want to make a video backup with audio, please connect audio camera to the CH1 which support the audio function

2.3 Power Setup

This device should be operated only with the type of power source indicated on the manufacturer's label. Connect the indicated AC power cord to the power adapter, and plug into an electrical outlet. The power LED "⏻" will be on as green. It takes approximately 10 to 15 seconds to boot the system.

2.4 Date and Time Setting

Before operating your DVR, please set the date and time on your DVR first.

Press the "MENU" button and enter the password to go to the menu list. The default admin password is 0000. Move the cursor to "DATE" and you can set the date / time / daylight saving in the "DATE" menu list.

2.5 Password Setting

Press the "MENU" button and enter the password to go to the menu list. Then, move the cursor to "ADVANCE" to enter the advanced setting menu.

In the "ADVANCE" menu, move the cursor to "SYSTEM". Select "PASSWORD" and press the "ENTER" button to enter the submenu to set the password (four digits). The default admin password is 0000.

ADVANCE
CAMERA
DETECTION
REMOTE
DISPLAY
ALERT
SYSTEM
NETWORK
BACKUP
HDD INFO

SYSTEM	
SERIAL TYPE	RS485
BAUDRATE	2400
HOST ID	0
PASSWORD	**XXXX**
RESET DEFAULT	RESET
CLEAR HDD	HDD-MASTER-1
UPGRADE	START
AUTO KEYLOCK	NEVER
LANGUAGE	ENGLISH
VIDEO FORMAT	NTSC
VERSION	1160-1012-1021-1014-M3-6C1B

3. BASIC OPERATION

3.1 Live Page

In this live page of the DVR, you can see the following icons:

Icon	Function	Icon	Function	Icon	Function
🔒	Key lock	🔍	Digital zoom mode	🔊	Alarm
🔓	Key unlock	🔍	Digital zoom unselected	📹	Recording
🔊	Live audio channel	⏱	Timer recording	🦖	Motion
🔊	Playback audio channel		PTZ control mode		
🔇	Audio channel unselected		Full screen sequence mode		

3.2 Recording

When the recording and the pre-alarm function are activated, this device will overwrite 8GB data from the oldest for continuous recording without notice.

1) <u>Continuous Recording Icon</u>

When the DVR is properly connected with camera, you can see the icon " 📹 " (recording) on the monitor.

2) <u>Motion Recording Icon</u>

When the motion / alarm detection is activated, once motion or external alarm happens, you will see the icon " 🦖 " (motion) on the monitor.

3) <u>Timer Recording Icon</u>

When the timer record is activated, you will see the icon " ⏱ " (timer) on the monitor

Note: The audio source connected to the "Audio 1" will be recorded with the video of the "CH1".

3.3 Playback

Press the "PLAY" button on the DVR control panel, and the device will playback the latest recorded video.

Note: There must be at least 8192 images of recorded data for playback to work properly. If not, the device will stop playback. For example, if the IPS is set to 30, the recording time should be at least 205 seconds (8192 images / 40 IPS) for the playback to work properly.

1) <u>Fast Forward / Fast Rewind</u>

You can increase the speed for fast forward and rewind on this device. In the playback mode:
Press "FF" once to get 4X speed forward and press twice to get 8X speed, etc. And the maximum speed is 32X.
Press "REW" once to get 4X speed rewind and press twice to get 8X speed, etc. And the maximum speed is 32X.

Note: During playback, the image size of the recording (CIF) will be shown on the screen.

2)   Pause / Image Jog

Press "PAUSE" button to pause the playback.
In the pause mode:
Press "►" button once to get one frame forward.
Press "◄" button once to get one frame rewind.

3)   Stop

Pressing "STOP" button under playback mode, the screen of this device will return to live monitoring mode.

4)   Slow Playback

Press "SLOW" button to get 1/4X speed playback and press twice to get 1/8X speed playback.

5)   Audio Playback

Use these two buttons to select the live or playback sound of the audio channels.

Icon " " (blue) means: Live audio of the 1st audio channel / Icon " " (yellow) means: Playback audio of the 1st audio channel

Note: If you want to make a video backup with audio, please connect audio camera to CH1 which
supports the audio function.

3.4 Key Lock and Unlock

1)   Key Lock On:

Press "MENU" + "ENTER" buttons at the same time on the DVR control panel to lock keys.
Or set the time-out after which the key lock function is activated (Never / 10 SEC / 30 SEC / 60 SEC). Please refer
to page 21 in your user manual.

2)   Key Lock Off:

Enter the DVR password to exit "Key Lock" mode.

Note: For the password setting, please refer to page 8 in your user manual.

4.5 Upgrade

· **Firmware / Multilanguage OSD Upgrade**

1)   Use USB flash drive to upgrade firmware or OSD:

Step 1. Format the USB memory device as FAT32 format first.
Step 2. Get the upgrade files from your distributor and save the upgrade files in your USB flash device (do not
change the file name).
Step 3. In the "SYSTEM" menu, move the cursor to "UPGRADE", and press "ENTER" button.
Step 4. Select "YES", and press "ENTER" button again to confirm upgrade.

2)   Use the supplied software AP to remotely upgrade firmware or OSD:

Step 1. Save the upgrade files at your PC (do not change the file name) and then login to the AP software.

Step 2. Press " " (Miscellaneous Control) button to show the miscellaneous control panel. In the miscellaneous
control panel, press " " (Tools) button on the miscellaneous control panel to enter the AP upgrade
window.

Step 3. Enter the user name, password, IP address and port number of the DVR.

Step 4. Press "Firmware" or "Language" tab as needed, and press "Add" to select the firmware or OSD files to
upgrade.

Step 5. Press "Update Firmware" or "Update Language" button to start the upgrade.

Note: For remote upgrade details, please refer to page 47 in your user manual.

4.6 Search

1)   <u>Search by List</u>

Press "LIST" button on the DVR control panel to show the list for all types of the recorded files. Choose the list you want to view and press "ENTER" button to start playback.

ALARM	List the information of the alarm-trigger-recorded files.
MANUAL	List the information of the manual-recorded files. The DVR will save one recorded file once any recording setting is changed.
MOTION	List the information of the motion-trigger-recorded files.
SYSTEM	List the information of the system-recorded files. The DVR system will save one recorded file every one hour.
TIMER	List the information of the timer-recorded files.

2)   <u>Quick Search by Time</u>

Press the "MENU" button to enter the menu list, move the cursor to "QUICK SEARCH", and press "ENTER" button to enter the quick time search menu. You can search any specific events by time (Year / Month / Day / Hour / Min) and directly play the file you find.

3)   <u>Search the Record Event by Log on the AP Software</u>

Press "" (Miscellaneous Control) button to show the miscellaneous control panel. In the miscellaneous control panel, press "" (Status List) button to enter the "Status List" page. In this page, you can see the list of three different types of recording (User / Motion / Alarm) and press "Play" button to directly playback the file.

5. MENU CONFIGURATION

MAIN MENU	QUICK SEARCH	DATE
		SEARCH HDD
	RECORD	IMAGE SIZE
		QUALITY
		MANUAL RECORD ENABLE
		EVENT REOCRD ENABLE
		TIMER RECORD ENABLE
		MULTIPLEX MODE
		MANUAL RECORD IPS
		EVENT RECORD IPS
		TIMER RECORD IPS
	TIMER	RECORD TIMER
		DETECTION TIMER
	DATE	DATE
		FORMAT
		DAYLIGHT SAVING
	ADVANCE	
ADVANCED MENU	CAMERA	TITLE
		BRIG
		CONT
		SATU
		HUE
		COV.
	DETECTION	TITLE
		DET
		AREA
		LS
		SS
		TS
		RE
		ALARM
	REMOTE	TITLE
		DEVICE
		ID
		PROTOCOL
		RATE
	DISPLAY	DE-INTERLACE
		FULL SCREEN DWELL DURATION (SEC)
		CHANNEL TITLE
		EVENT STATUS
		DATE DISPLAY
	ALERT	EXT. ALERT
		INT. BUZZER
		KEY BUZZER
		VLOSS BUZZER
		MOTION BUZZER
		ALARM BUZZER
		ALARM DURATION (SEC)
	SYSTEM	SERIAL TYPE
		BAUDRATE
		HOST ID
		PASSWORD
		RESET DEFAULT
		CLEAR HDD
		UPGRADE
		AUTO KEYLOCK (SEC)
		LANGUAGE
		VIDEO FORMAT
		VERSION

	NETWORK	NETWORK TYPE
		IP
		GATEWAY
		NETMASK
		PRIMARY DNS
		SECONDARY DNS
		PORT
	BACKUP	START TIME
		END TIME
		AVAILABLE SIZE
	HDD INFO	HDD NUM
		HDD SIZE (GB)
	EVENT LOG	EVENT
		TIME
		COMMENT