



**MDVR8AHD-4G**  
**Multi-Channel Driver Recorder**  
Installation and User Guide



# 8-CH AHD MDVR Brief User Manual

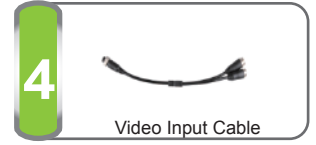
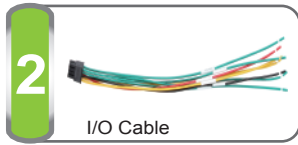
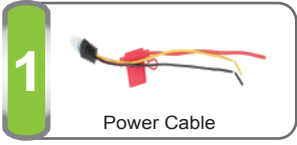
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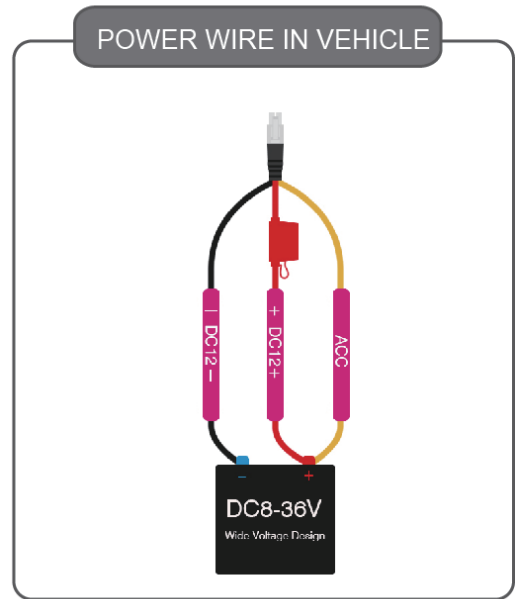
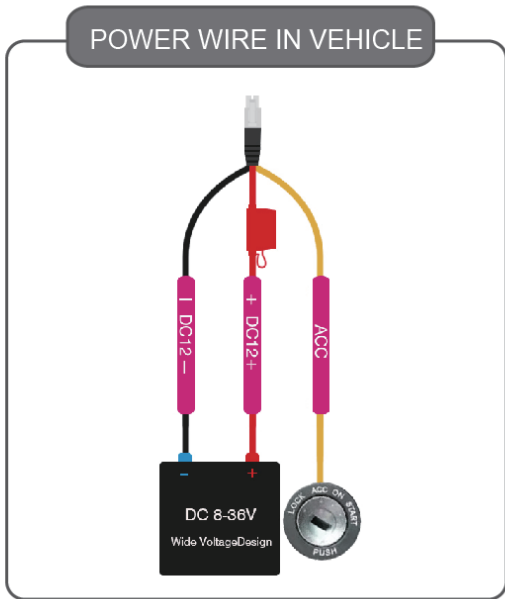
## SPECIFICATION

Items	Parameter	Performance
System	Chipset	Hi3520DV300
	System	Linux
	Language	Chinese/English/Russia etc
	Interface	Visual GUI,Support Mouse
	Account Management	Admin/Sub-User management
Record	Video Standard	PAL/NTSC
	Video Input	8-CH AHD Input
	Resolution	1080N/720P
	Video Output	1-CH CVBS + 1-CH VGA Output
	Image Quality	0-7 levels adjustable (0 is the best)
	Recording Mode	Boot up/Manual/Schedule/Alarm Record
	Motion detection	Support
Audio	Audio Input	8-CH Audio input
	Audio recording	Audio & Video synchronized recording
	Audio Compression	G.726
	Audio Output	1-CH Audio Output
Playback	Mode	Playback by Time/File/Channel/Event
	Playback Channel	4-CH Local Playback
Interface	USB Port	1-CH USB 2.0 For Mouse or Upgrade
		Extendable 2-CH RS232 & 2-CH RS485
	I/O Alarm Input	4-CH
	I/O Alarm Output	1-CH
Function	GPS	Optional
	3G/4G Network	3G WCDMA/4G LTE Optional
	WIFI Network	Optional
	RJ45 Ethernet Network	Standard
Others	Pre-Recording	0-15s
	Post-Recording	15s-300s
	G-sensor	Support
	Upgrade Mode	Local Upgrade by USB/SD card
		Remote Upgrade by 3G/4G
	Storage	Max 1x 2TB HDD + 2x 128GB SD Card
	Voltage Input	DC8-36V
	Temperature	-20 C - +70 C
	Dimension	188mm*148mm*60mm
Weight	2.35KG	

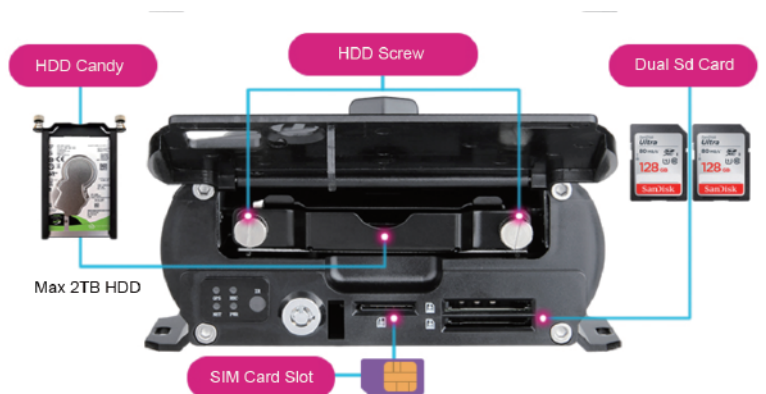
# ACCESSORIES

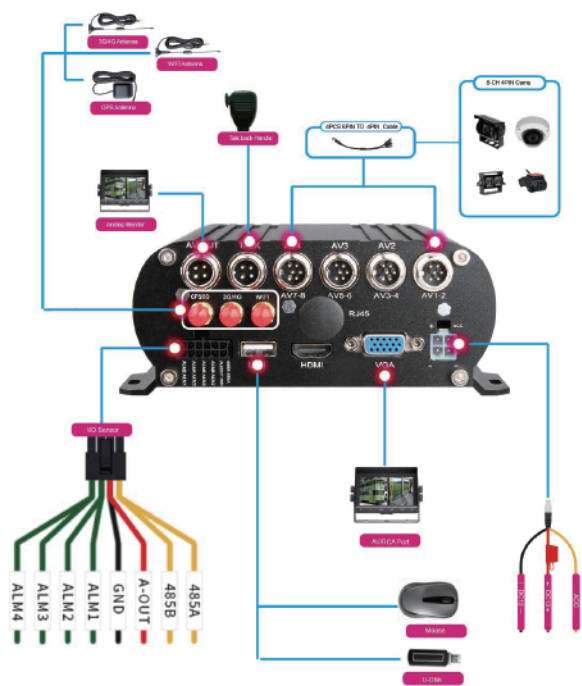


# Power Connection



# HDD MDVR INSTALLATION



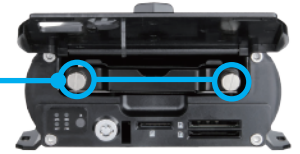


### HDD Candy Installation

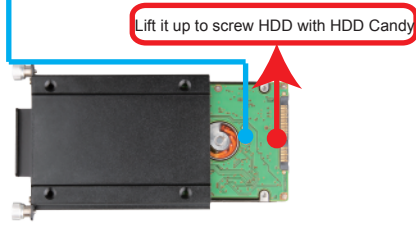
1 Open MDVR Shell by MDVR Key



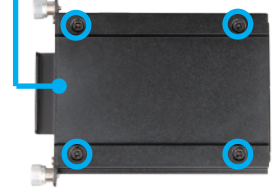
2 Twist loose screws and take out of the HDD Candy



3 Insert HDD Into HDD Candy

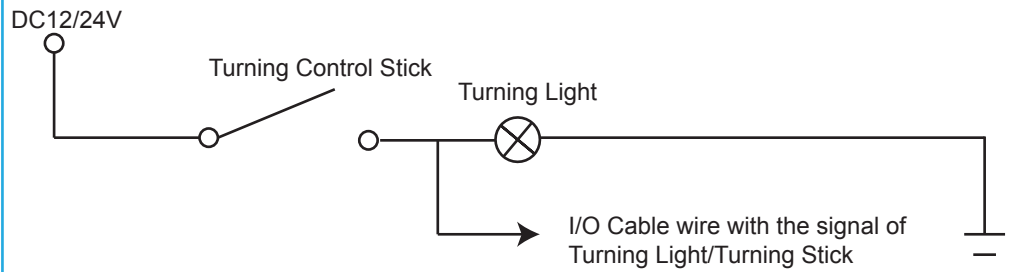


4 Screws HDD and Insert HDD into MDVR

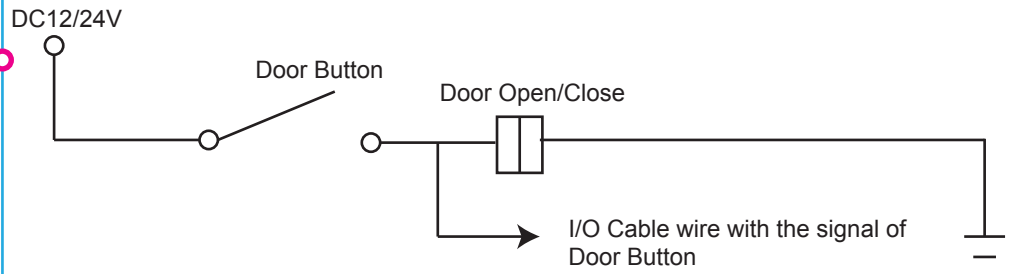


### I/O Alarm Sensor Wire

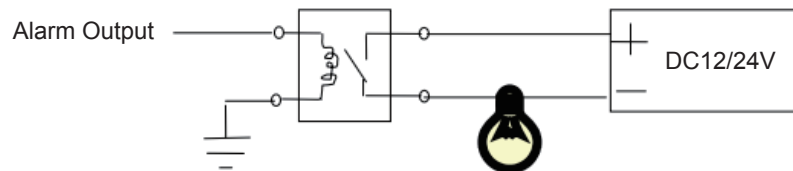
01: I/O Input Wire with Turning light



02: I/O input Wire with Door Button



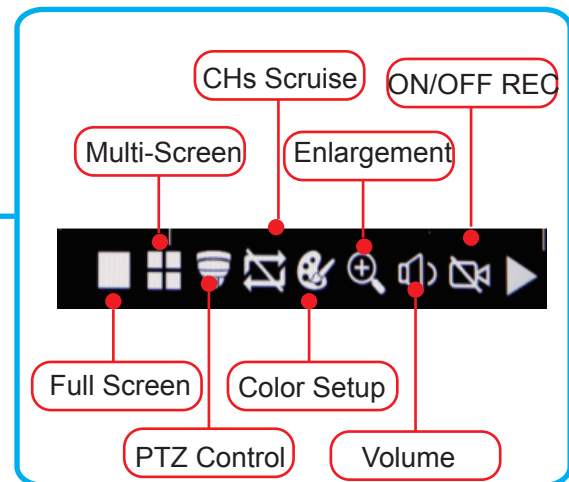
03: I/O Output Wire with Alarm Light etc



Noted: Please kindly refer to Alarm/Motion detection setup for Video Amplifying, Email for alarm trigger

## CONTROL BAR

After Start MDVR, See MDVR UI like the Picture below



## ENLARGEMENT

Click Enlarge button, and Drag Mouse to select a special area to auto enlarge.



## PLAYBACK

Step-01: Login MDVR Menu, User Name: admin, Password: Null (No Password)

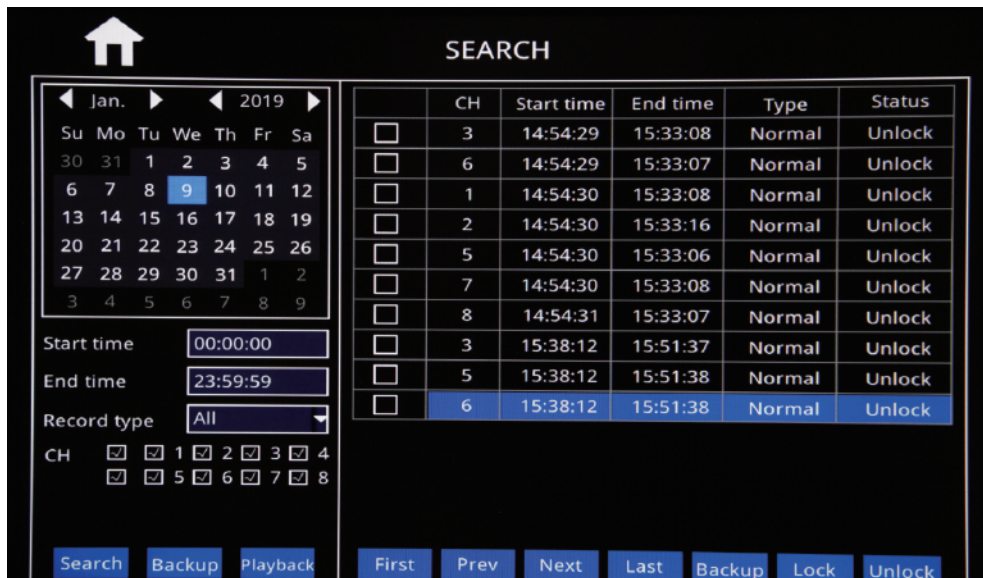
LOGIN

User name:

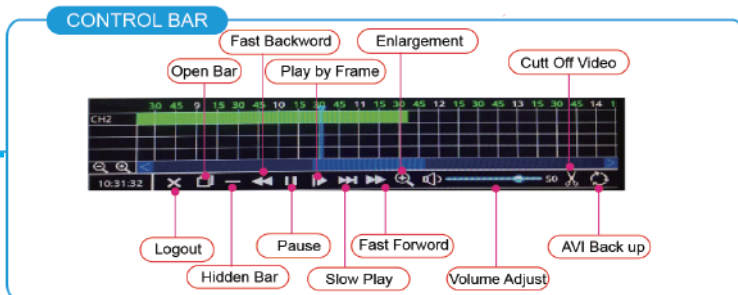
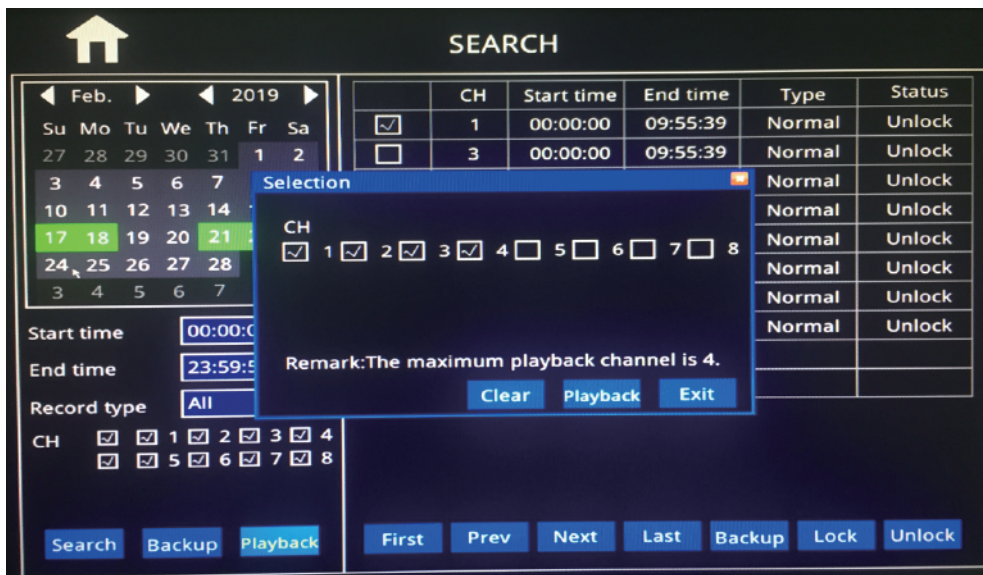
Password:

Random code: ADVL036RD2E3E9HY

Step-02: Login "Search"=>Setup Playback time & CHs=> Search Out Video files, Like the Picture belows:



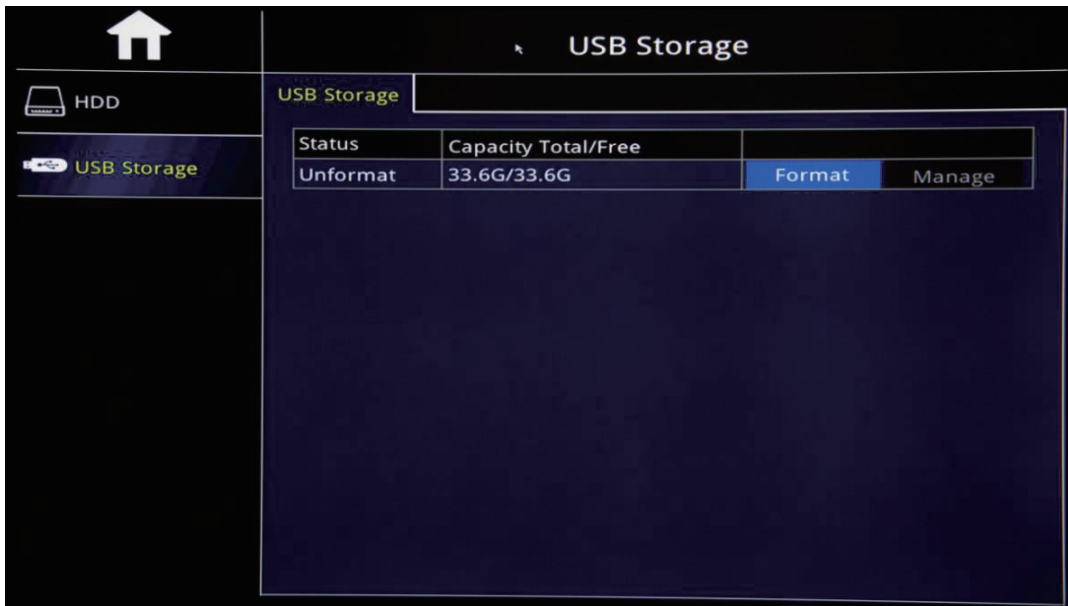
Step-03: Check Video File=> Click "Playback"=>Choose the Playback CHs (Max 4-CH)=> Click "Playback"



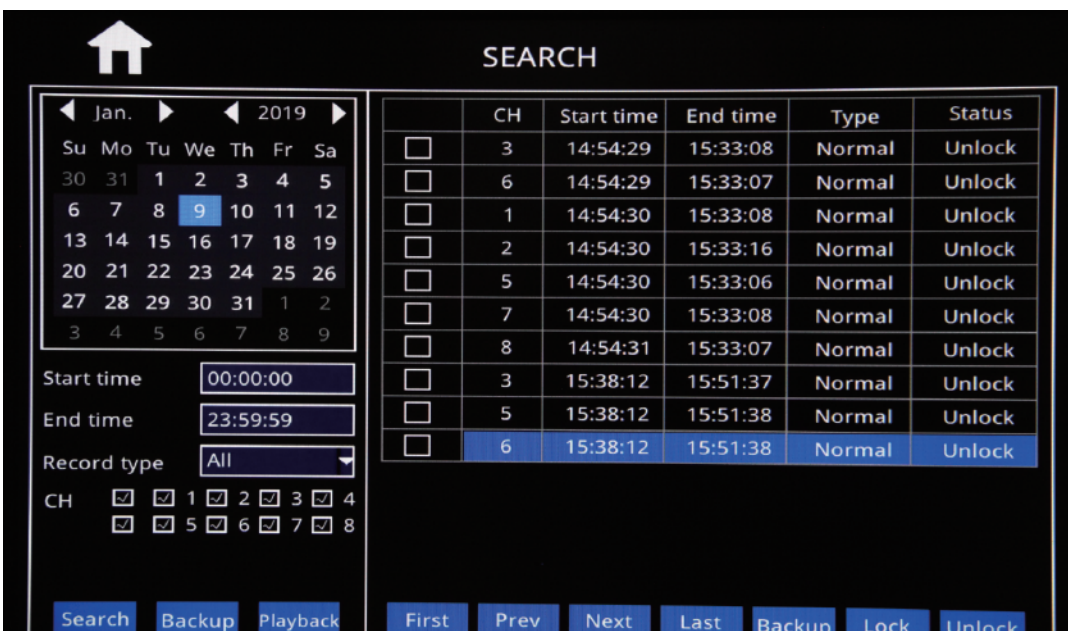
Step-01: Insert U-Disk or External HDD into MDVR Via USB Port



Step-02: Come into "Disk" => USB Storage => **Format**



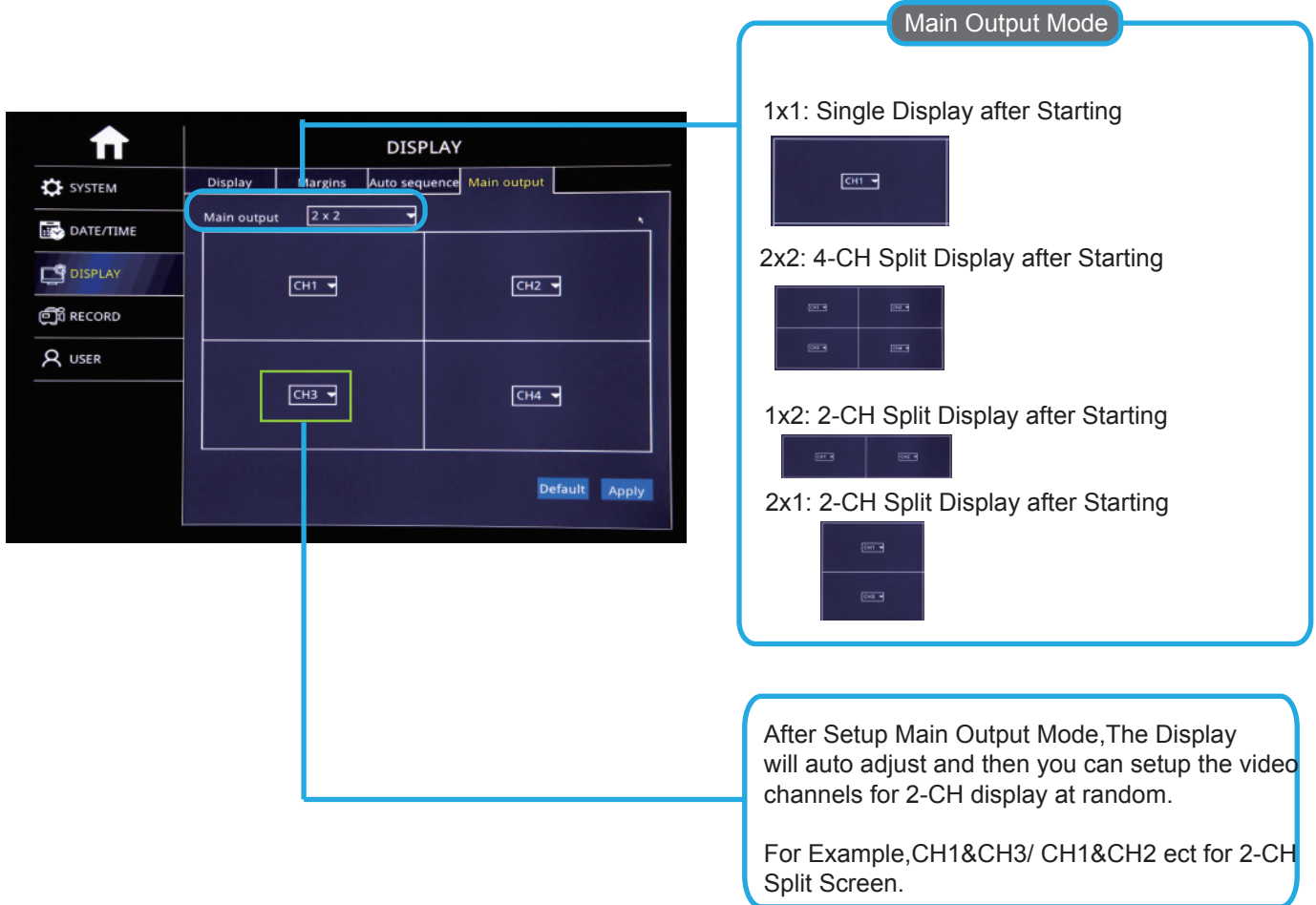
Step03: "Search" => Search Out Recorded videos



## 2-CH Split Screen Setup

### A. Default 2-CH Split Screen Setup Guide

Step-01: Login MDVR Main Menu,=>BASIC=>DISPLAY=>Main Output setup=> Apply



**Main Output Mode**

- 1x1: Single Display after Starting
- 2x2: 4-CH Split Display after Starting
- 1x2: 2-CH Split Display after Starting
- 2x1: 2-CH Split Display after Starting

After Setup Main Output Mode, The Display will auto adjust and then you can setup the video channels for 2-CH display at random.

For Example, CH1&CH3/ CH1&CH2 ect for 2-CH Split Screen.

Step-02: After setup above, Restart MDVR, The Video will be auto 2-CH Split Screen

## Mirror Function

Noted: Mirror Function is mainly for Vehicle Cams installation for Left/Right Mirror, Up/Down Mirror

Step: Login in MDVR Menu=>Advance=>Channel=Analog Camera



CH	Mirror	Flip	Resolution
1	<input type="checkbox"/>	<input type="checkbox"/>	Auto
2	<input type="checkbox"/>	<input type="checkbox"/>	Auto
3	<input type="checkbox"/>	<input type="checkbox"/>	Auto
4	<input type="checkbox"/>	<input type="checkbox"/>	Auto

Copy CH: 1 To CH: All Copy

**NOTE**

Mirror: Left/Right Mirror

Flip:Up/Down Mirror



# Motion Detection Setup

Step-01: Login MDVR GUI=>"Basic"=>"Record"=>Mode: Scheduel

CH	Enable	Audio	Mode
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always

Copy CH: 1 To CH: All Copy

Default Apply

Always Mode

Schedule Mode

Step-02: Come into "Scheduel"=> Setup "Alarm" Time in Red

CH: 1 Manual Normal Alarm

Day	0	2	4	6	8	10	12	14	16	18	20	22
Sun.												
Mon.												
Tue.												
Wed.												
Thu.												
Fri.												
Sat.												

Copy CH: 1 To CH: All Copy

Default Apply

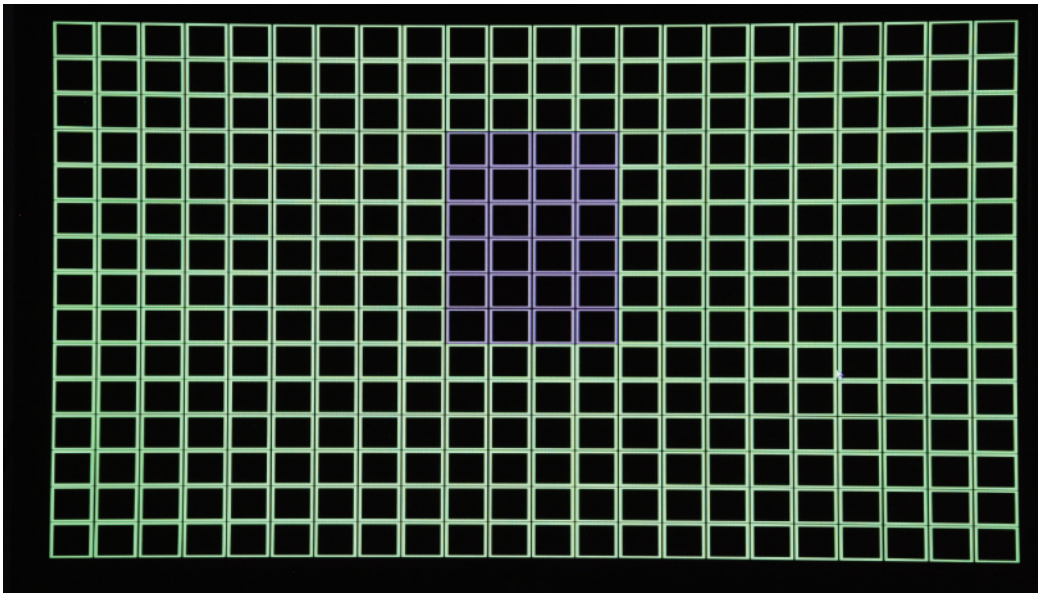
Step-03: Come into "Advance"=>"Alarm"=>"Motion"=> Check Motion CHs and Sensitivity (1=Highest)

CH	Enable	Sensitivity	Area	Schedule	Trigger
1	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
2	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
3	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
4	<input type="checkbox"/>	1(Highest)	Settings	Settings	Settings

Copy CH: 1 To CH: All Copy


Default Apply

Step-04: Click Area "Settings" to Setup Motion Detection Area




**NOTE**

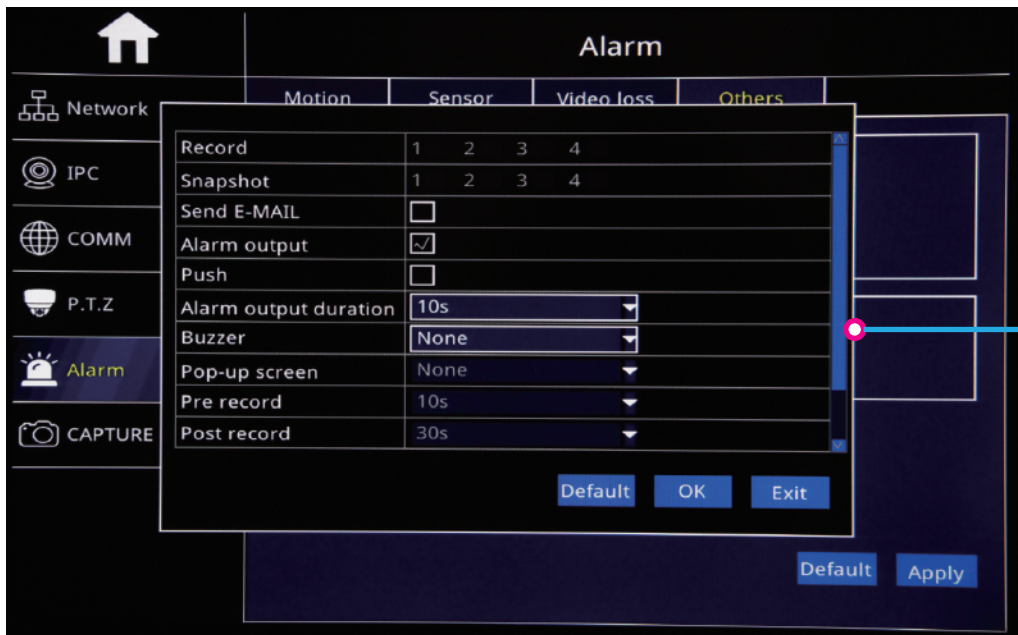
MOTION AREA COLOR



NO-MOTION AREA COLOR



Step-05: Click Trigger "Settings" to Setup Alarm linkage function



**NOTE**

1. Record: While alarm trigger, MDVR will auto upload the video of the checked channel to server
2. Snapshot: While Alarm trigger, MDVR will auto upload snapshot of checked channel to server
3. Send Email: While alarm trigger, MDVR will auto send email to customer
4. Alarm Output: Enable alarm output, like alarm light
5. Pop-Up Screen: While alarm trigger, MDVR will auto amplify the video to be full screen.

**DST Time Setup**

Login MDVR Menu => "Basic" => "Date/Time" => "DST" To Setup DST Time



# Record Setup

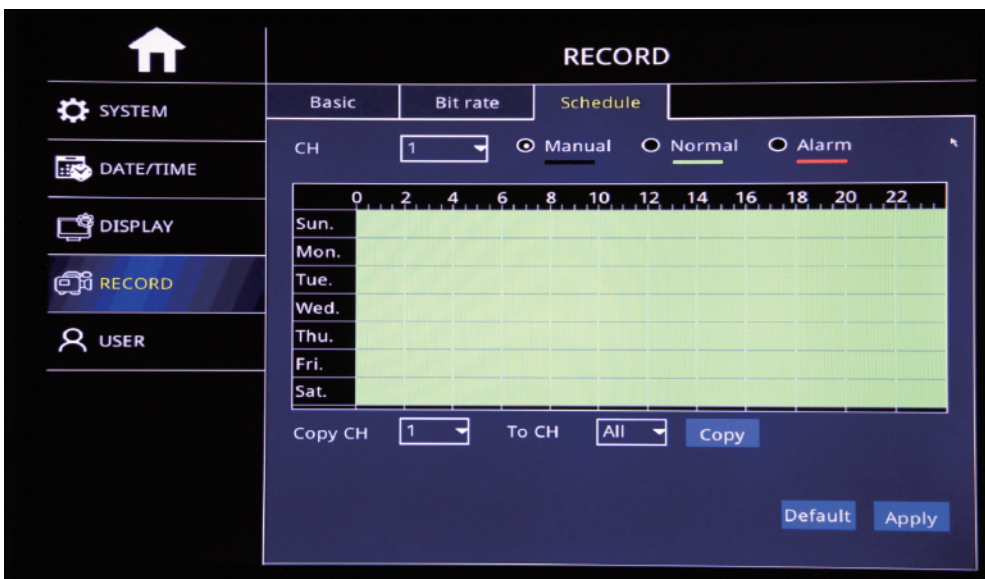
Step-01: Login MDVR Menu=>"Basic"=>"RECORD"=>"BASIC" To Settle Channels & Audio Setup



Step-02: Login "Bit Rate"=>Setup Record Stream

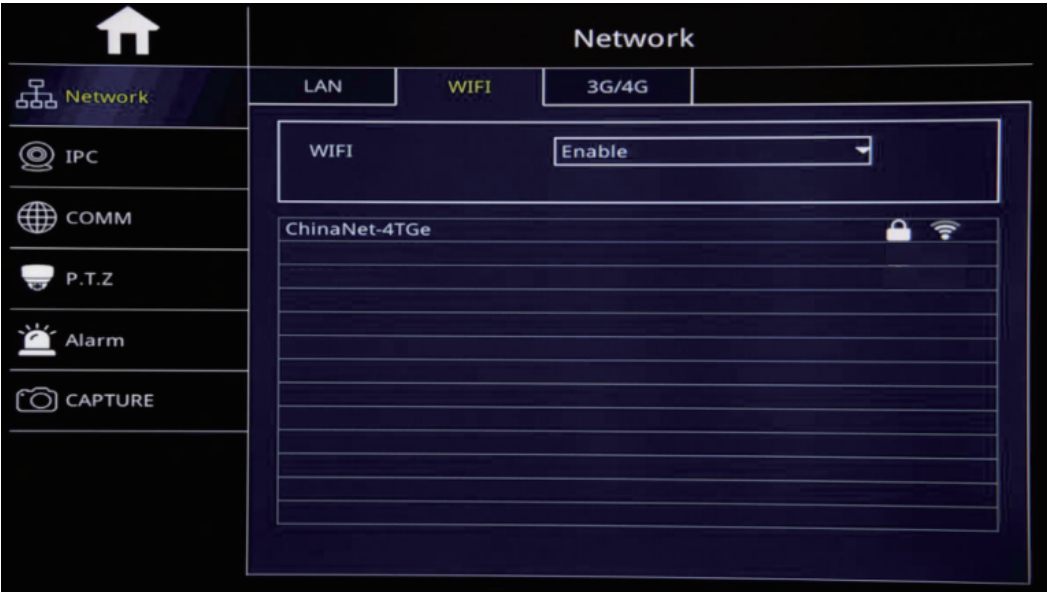


Step-03: Login "Schedule"=>Setup Alarm Record & Manual Record Mode

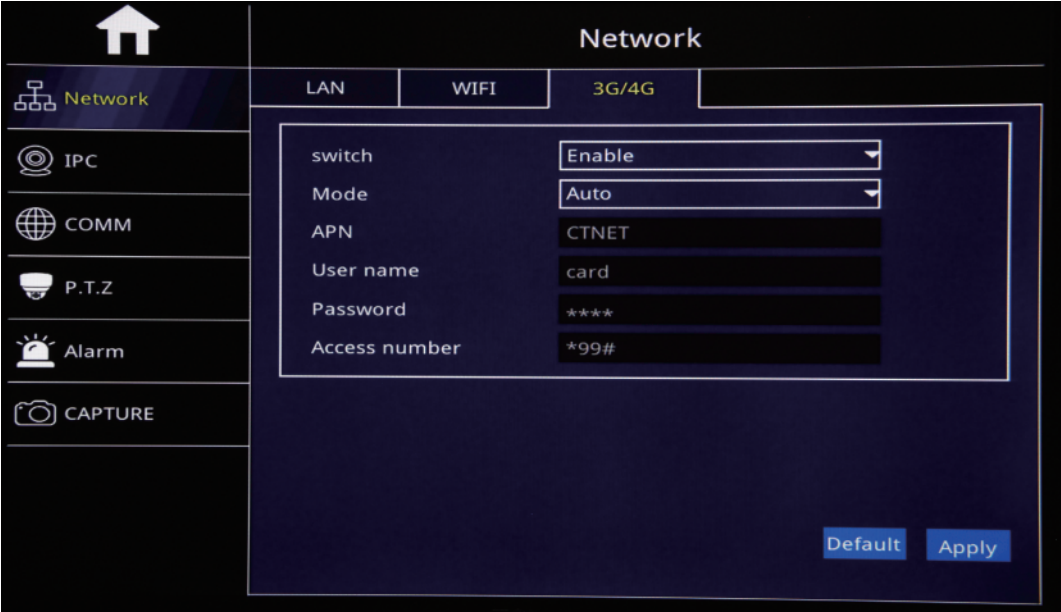


# 3G/4G&WIFI Setup

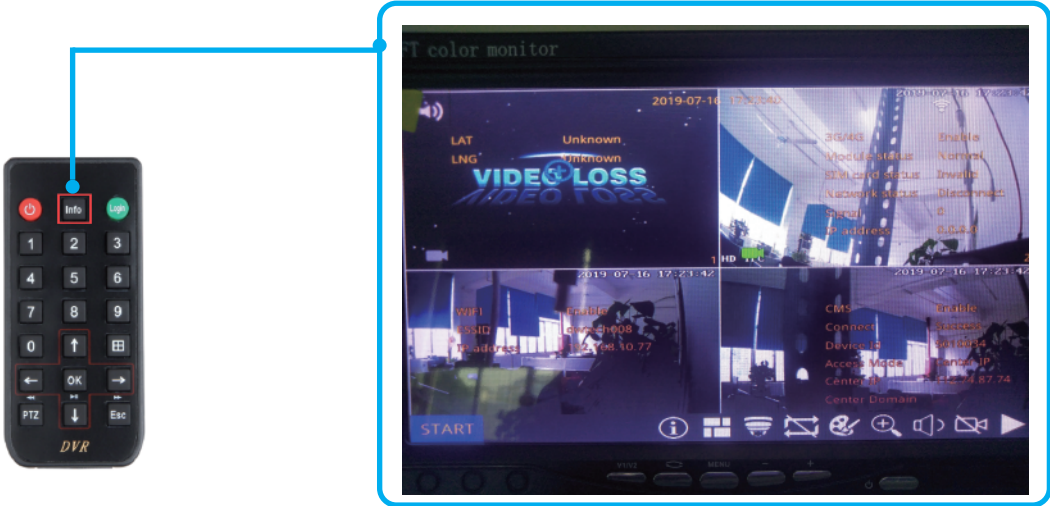
Step-01: Login MDVR Menu => "ADVANCE" => "NETWORK" => "WIFI" => "Enable" to auto search out WIFI SSID => Click the WIFI SSID => Input Password => Connect WIFI



Step-02: After WIFI Setup => "3G/4G" => "Switch: Enable" => "Mode: Manual" => Input "APN" => "Access Number: \*99#"



Step-03: After Setup, "Net" Led On and Press "Info" Button to check network connection Status, If All success, the device already connected with Server and can login CMSV6 to see the live video.



## FAQ

### FAQ-01: HOW TO CHANGE SERVER IP

Re: Login MDVR Menu=>"ADVANCE"=>"COMM"=>"CMS" To Change Server IP,Device ID and Port

**Noted:When clients build their own server,they need to change the server IP or Please keep it default**



### FAQ-02: USA CARRIER APN LIST

4G Carrier	APN
T-Mobile	fast.t-mobile.com
AT&T	nxtgenphone

### FAQ-03: WHY NOT WORK AFTER 4G SETUP?

Reason-01: 4G Sim card no Service or Stop Work, Please kindly confirm it

Reason-02: Input APN Wrong, Please kindly check APN

Reason-03: 4G Antena do not wire with MDVR

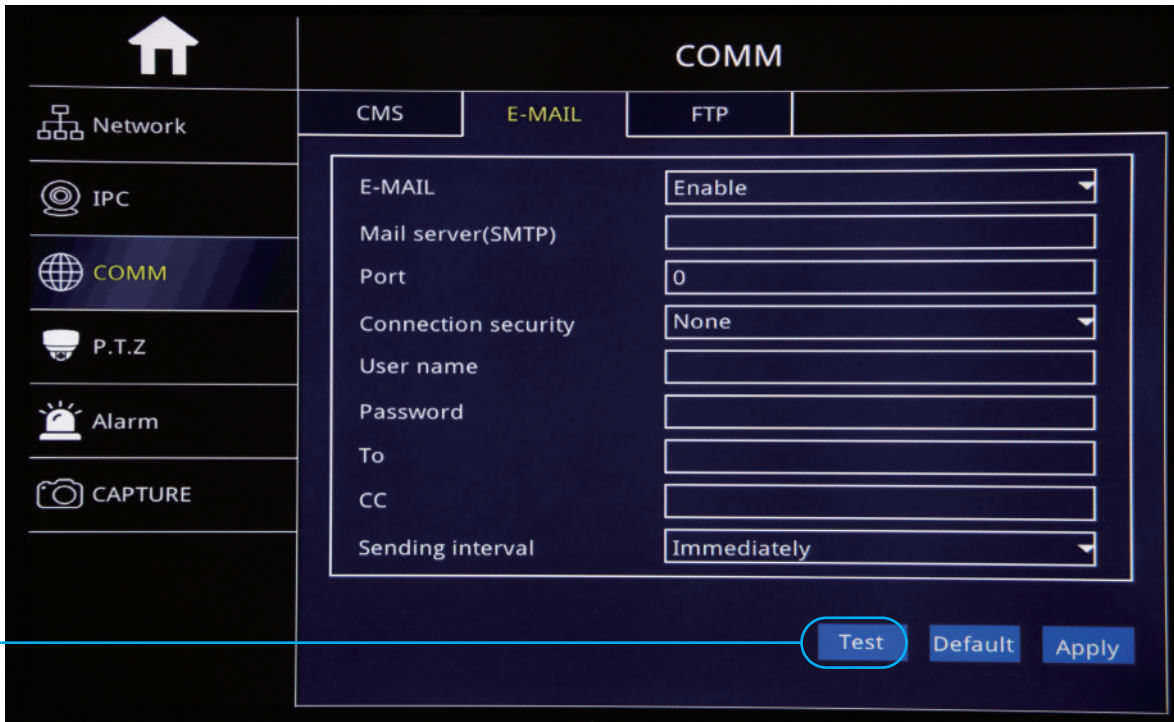
Reason-04: Input Wrong Server IP and Port what if you changed, So please kindly check CMS Setup

What if still not solved, Please kindly email " Step-03 info" Picture to our technical support team to check

## Email Setup

Function Description: When Alarm Trigger, The MDVR will Auto Send Email to users

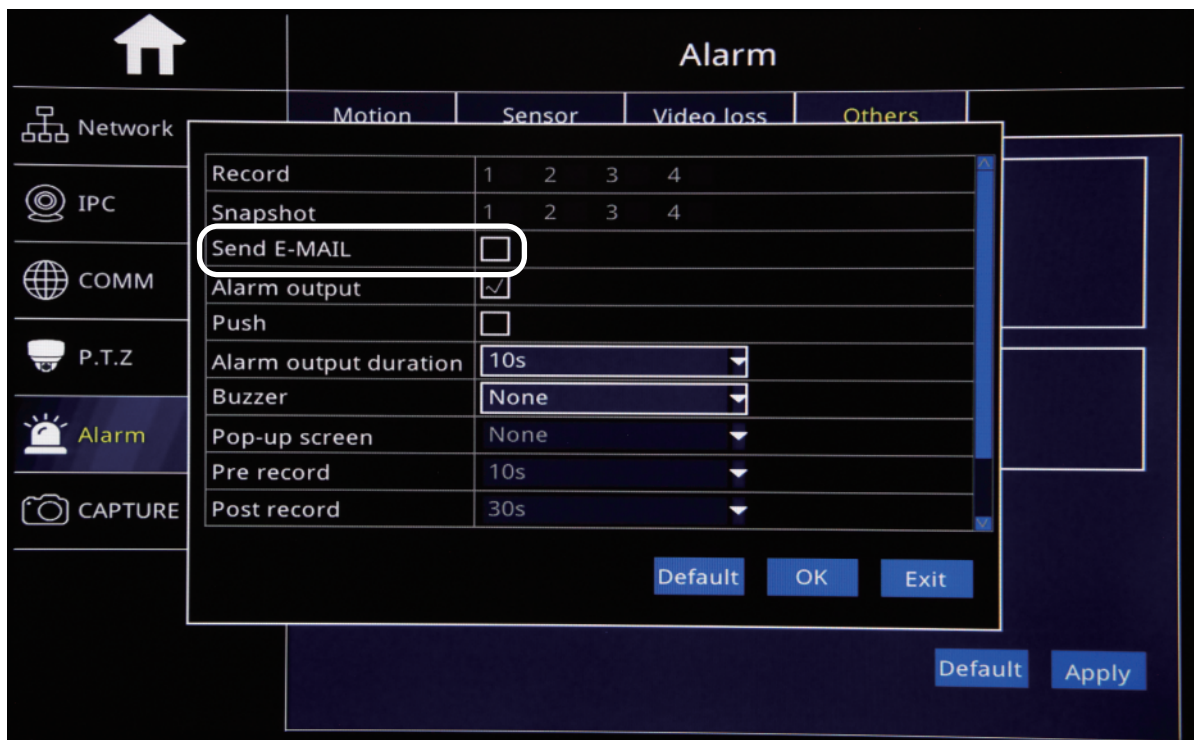
Step-01: Login MDVR Menu=>"ADVANCE"=>"COMM"=>"E-MAIL"=>"E-mail: Enable"=>Input Media Server(SMTP)  
=> Port=> Connection Security: "None,SSL/TLS" Optional=> User Name: Sender's Email address=> Password:  
Sender's Email Password=> To: User's/Reciever's Email Address=>CC:Copy Email's Address



### NOTE

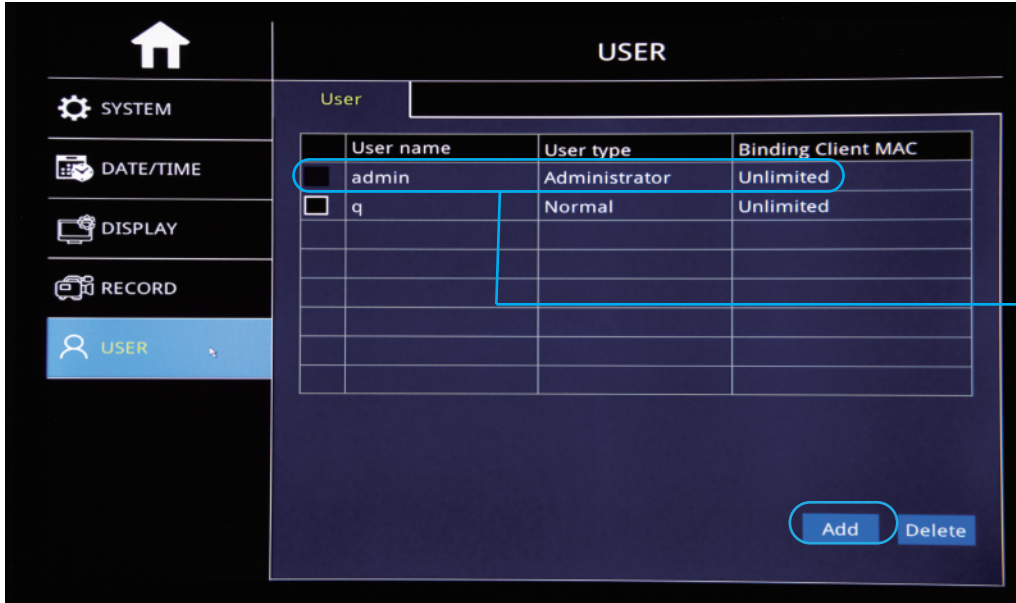
After Setup the info, Please kindly click "Test" button to send a test alarm email to you and verify all the setup well.

Step-02: Login MDVR Menu=>"ADVANCE"=>"ALARM"=>"Motion/Sensor/Video Loss/ Other" Alarm Setup=>"Trigger"  
=>Check "Email" Button.



# User Management

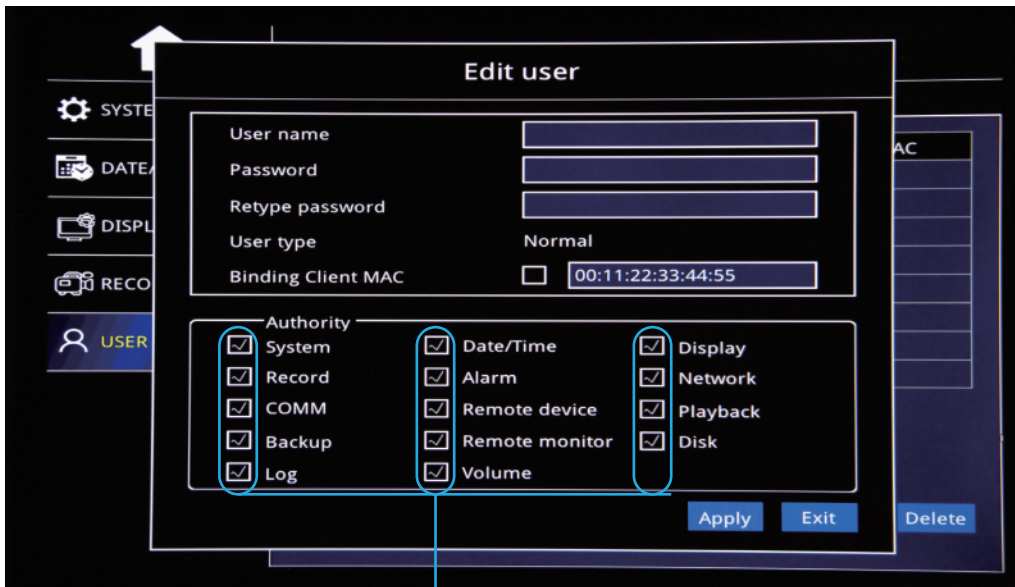
Step-01: Login Main Menu=> Basic=>User=>Add



**NOTE**

MDVR will default Administrator account without password, you can click 'admin' to come into 'admin' account to setup psw and remember it

Step-02: Come into 'Edit user' GUI to setup user name, Password etc info and check 'Authority'



**NOTE**

Client can setup different user account for different drivers to allow them to have different authority