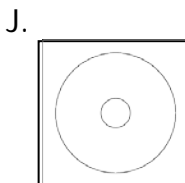
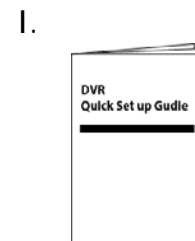
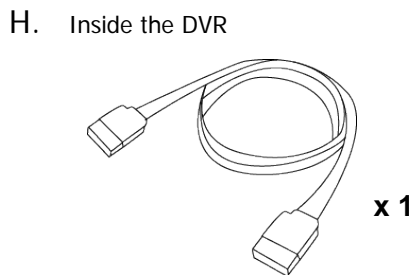
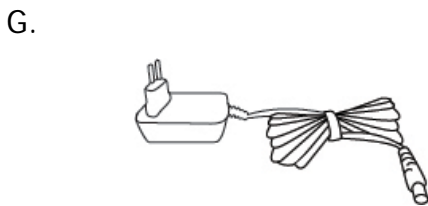
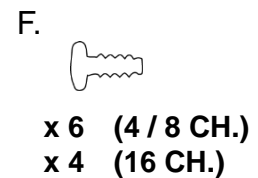
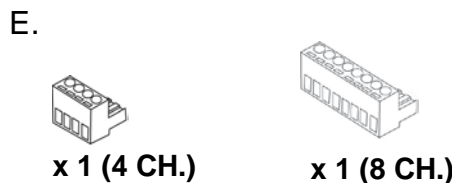
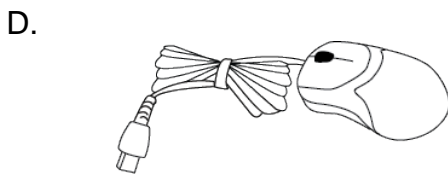
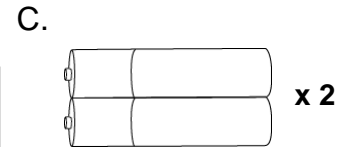
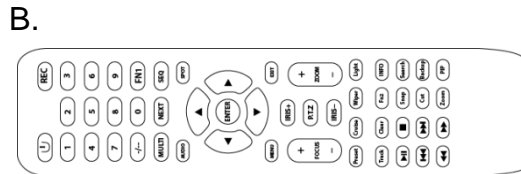


960H H.264 DVR – 4 / 8 / 16 CH. Quick Setup Guide

PACKAGE CONTENTS

- A. One (1) DHE-04 / DHE-08 / DHE-16 DVR
- B. One (1) Remote Controller
- C. Two (2) AAA Battery for Remote Controller
- D. One (1) USB Mouse
- E. One (1) 4 Screw on Terminal Connector - DHE-04
One (1) 8 Screw on Terminal Connector - DHE-08
- F. Six (6) Hard Drive Screws – DHE-04 / DHE-08
Four (4) Hard Drive Screws – DHE-16
- G. One (1) 12V DC / 5Amp Power Supply
- H. Two (2) SATA Cable Inside
- I. One (1) Quick Set up Guide Book
- J. One (1) User's Manual & CMS Software CD



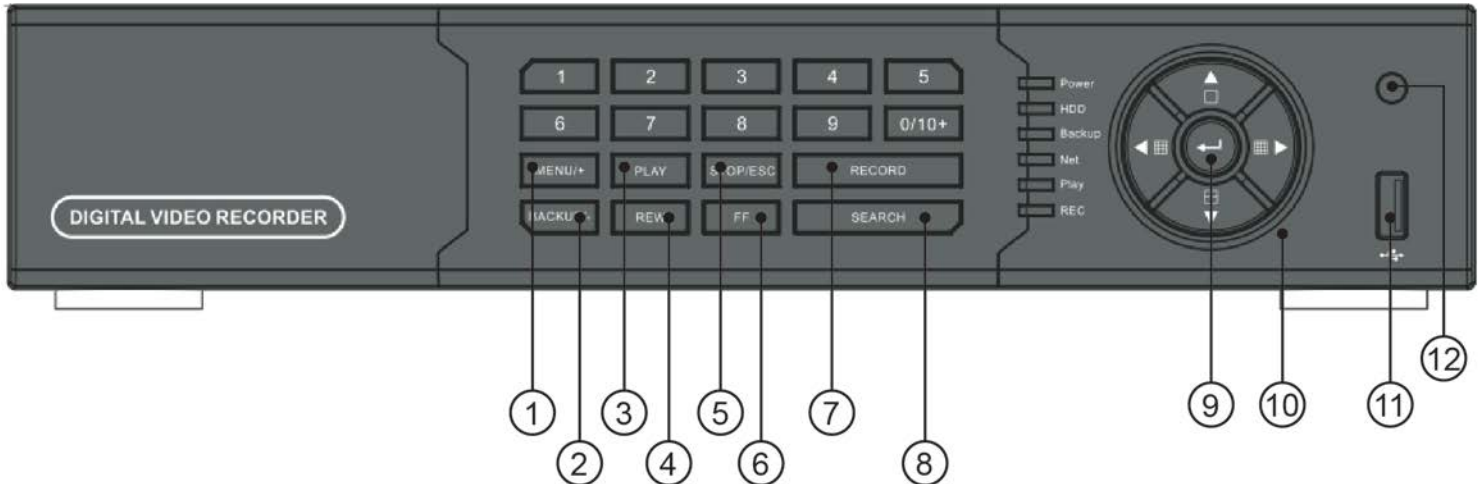
Please read this Quick Setup Guide before installation.

***Notes: Any Return Must Include All Components.**
Additional charges apply for any missing components. A UPS Battery Backup System is highly recommended to avoid power failure restoration damage to Hard Drive & Motherboard.

****Quick Setup Guide & User's Manual are subject to change without notice.**

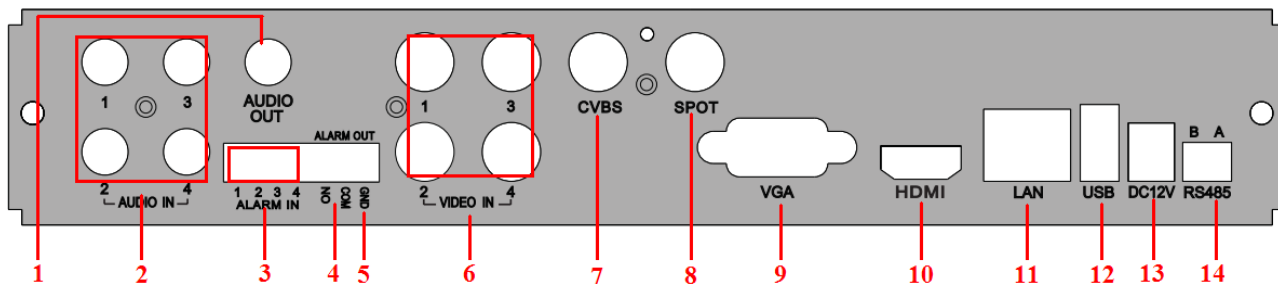
PANEL DEFINITION

1. Front Panel



Item #	Label Name	Function
1	MENU / +	Enter menu page / increase value
2	BACKUP / -	Enter backup page / decrease value
3	PLAY / IRIS	Enter Playback/ iris adjustment (PTZ)
4	REW / SPEED	Fast rewind on playback mode / speed adjustment (PTZ)
5	STOP / ESC	Stop playback on playback mode / Exit menu or jump back to previous page
6	FF / P.T.Z.	Fast forward on playback mode /enter PTZ mode
7	REC / FOCUS	Manual record / focus adjustment(PTZ)
8	SEARCH / -	
9	Enter	Validate action
10	Split / Direction Key	Switch split / Move selected item
11	USB	Connect USB thumb drive or mouse
12	IR receiver	Remote receiver

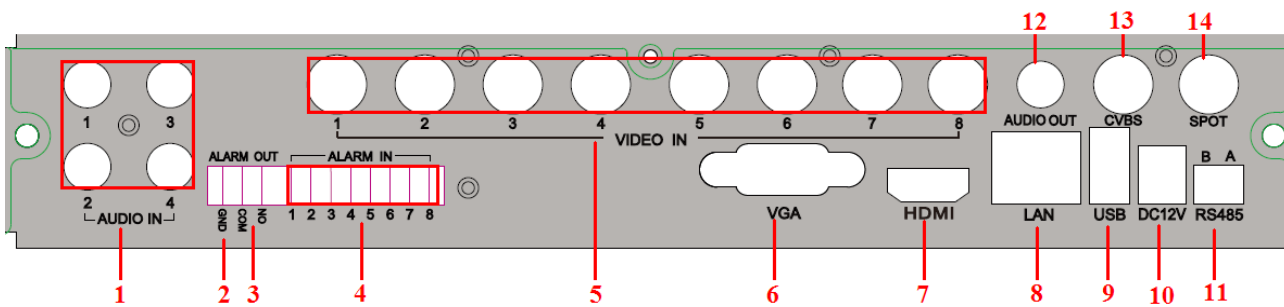
2. Back Panel – 4 CH.



Item #	Label Name	Function
1	Audio out	Audio output, connect to the sound box
2	Audio in	4 CH Audio input
3	ALARM in	Connect to external sensor 1-4
4	ALARM out	1-ch relay output. Connect to external alarm
5	GND	Grounding for Alarm IN

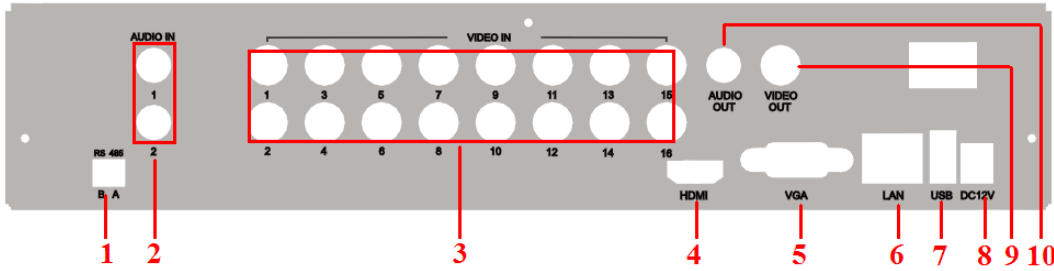
Item #	Label Name	Function
6	Video in	Video input channels from 1-4
7	CVBS port	Connect to monitor
8	Spot out	Connect to monitor as an AUX output channel by channel. Video would be displayed without OSD.
9	VGA port	VGA output, connect to monitor
10	HDMI port	Connect to high-definition display device
11	LAN	Network port
12	USB port	Connect USB mouse or connect external USB devices
13	DC12V	POWER INPUT
14	RS485	Connect to speed dome or keyboard

3. Back Panel – 8 CH.



Item #	Label Name	Function
1	Audio in	4 CH Audio input
2	GND	Grounding for Alarm in
3	ALARM OUT	1-ch relay output. Connect to external alarm
4	ALARM IN	Connect to external sensor 1-8
5	Video in	Video input channels from 1-8
6	VGA port	VGA output, connect to monitor
7	HDMI port	Connect to high-definition display device
8	LAN	Network port
9	USB port	Connect USB mouse or connect external USB devices
10	DC12V	POWER INPUT
11	RS485	Connect to speed dome or keyboard
12	Audio out	Audio output, connect to the sound box
13	CVBS port	Connect to monitor
14	Spot out	Connect to monitor as an AUX output channel by channel. Video would be displayed without OSD.

4. Back Panel – 16 CH.

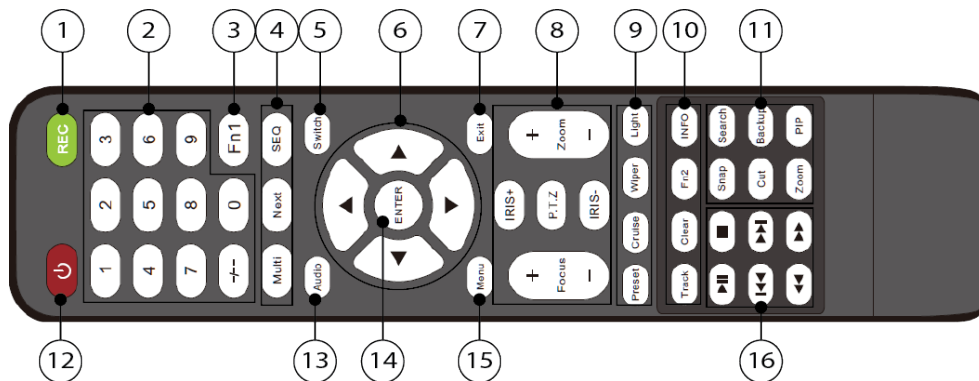


Item #	Label Name	Function
1	RS485	Connect to speed dome or keyboard (A is TX+, B is TX-)
2	Audio in	2-CH Audio inputs
3	Video in	Video input channels from 1-16
4	HDMI port	Connect to high-definition display device
5	VGA port	VGA output, connect to monitor
6	LAN	Network port
7	USB port	Connect USB mouse or connect external USB devices
8	DC12V	POWER INPUT
9	Video out	Connect to monitor
10	Audio out	Audio output, connect to the sound box



CONTROL OPTION

1. Remote Controller

◆ This remote control uses AAA battery, the definition as following:



Item #	Label Name	Function
1	Record Button	To record manually
2	0-9, -/-- Digital Button	Input number or choose camera
3	Fn1 Button	Unavailable temporarily
4	Multi Button	To choose multi-screen display mode
	Next Button	To switch the live image
	SEQ	To enter into auto dwell mode
5	Switch	To switch the output between BNC and VGA

Item #	Label Name	Function
6	 Direction button	To move cursor in setup or pan/title PTZ
7	Exit Button	To exit the current interface
8	Focus/IRIS/Zoom/PTZ	To control PTZ camera. Move camera/zoom/IRIS/Focus
9	Preset Button	To enter into preset setting in PTZ mode
	Cruise Button	To enter into cruise setting in PTZ mode
	Wiper Button	To enable wiper function in PTZ mode
	Light Button	To enable light function in PTZ mode
10	Track Button	To enter into track setting in PTZ mode
	Clear Button	To return to the previous interface
	Fn2 Button	Unavailable temporarily
	Info Button	Get information about DVR like firmware version, HDD information
11	Snap Button	To take snapshots manually
	Search Button	To enter into search mode
	Cut Button	To set the start/end time for backup in playback mode
	Backup Button	To enter into backup mode
	Zoom Button	To zoom in the images
	PIP Button	To enter into picture in picture setting mode
12	Power Button	Switch off—to stop DVR. Use it before turning off the power
13	Audio	To enable audio output in live mode
14	Enter Button	To confirm the choice or setup
15	Menu Button	To enter into menu
16		To control playback. Play/Pause/Stop/Previous-Section/Next-Section/Rewind/Fast Forward

◆ Switch Remote Control ID

1. Take remote control and point to DVR then continuously press “8”, “8”, “ID(0-65535)”, “Enter”.
2. Make change on DVR ID Setting,
Go to “**SYSTEM MENU**” > “**DEVICE ID**” to make change
 - * The ID must be the same on DVR.
 - * For example: If ID=1 ,
 Please take remote control and point to DVR then press **8,8,1,Enter**.
Then go to “**SYSTEM MENU**” > “**DEVICE ID**” change the **ID=1**

2. Mouse Control: **REQUIRED**

◆ Connection: Recommend to connect the USB mouse to the back panel.

◆ Mouse functions:

1) Under LIVE mode :

On every channel, you could double click the left button to switch FULL SCREEN and double click again to switch back to original split mode.

On every channel, you could single click right button to popup MENU page.

2) Under MENU page :

Single click left button on any functional icon could enter the function page and Single click right button to exit function page or jump back to previous page.

If you want to key in letter or digit, please move mouse to textbox then single click left button on textbox. The OSD keyboard will pop up as following,



- 3) Under Backup mode:
Single click left button to select item, single click right button to jump back to previous page.
- 4) Under PTZ mode:
Single click left button to operate PTZ function, single click right button to jump back to previous page.

WIZARD SETUP

1. Wizard for language and time setup



Device Name: to set a name of DVR.
Language: to set a proper language.
Date Format: to set a proper display format of time.
Time Format: to set 24 hour or 12 hour format to display.

Time Zone: to set proper time zone (GMT-8: Los Angeles)

* Caution: Please make sure to set time zone correctly. To prevent getting different time stamps between local and remote site.

System Date: to set current system date time.
Please click "next" to next wizard process.

2. Wizard for Record setup



You can setup record frame rate and quality for each channel and change record resolution.

Adjustable parameter as following,

Resolution: CIF, HD1 or D1

Frame rate: *Number of channel.resolution@NTSC frame rate (PAL frame rate)*

4 CH 4CIF@30(25) 4HD1@30(25) 4D1@30(25)

Quality: Highest/ Higher/ Normal/ Low/ Lower/ Lowest

If you want to change all channel setup at once, please click "All" then setup resolution, frame rate and quality at right hand side.

Please click "next" to next wizard process.

2.1 Motion Detection Recording:

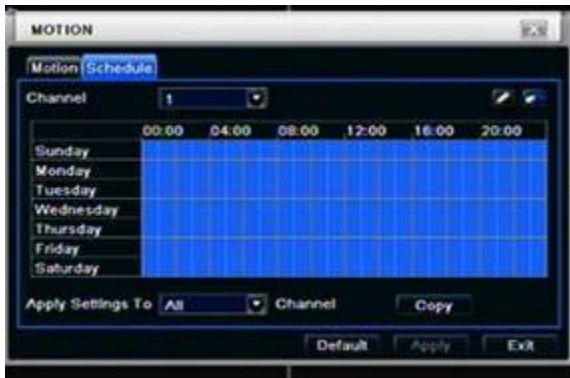
Motion Detection Recording: Enter Main Menu → Setup → Alarm → Motion



Enable the Channels to turn on Motion Detect Record.

****Motion Schedule Default:** is set to Full Time motion recording on all channels.

If Schedule Motion Recording needs to be changed:



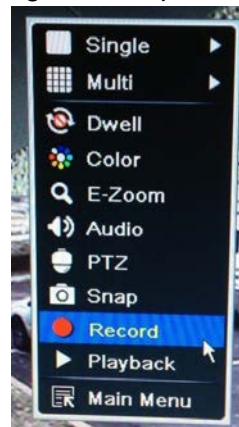
To modify motion recording schedule click on the **pencil icon** located on the upper right of the screen, then click on desired days and times to schedule recording when motion trigger.

If same schedule apply to all channels. After highlighting desired squares apply settings to **“All” Channel**, click **“Copy”** and click **Apply to save setting. To Enable full time motion Recording**, highlight the entire **Blue Grid**.

2.2 Full Time Recording :

1. Press **“Record”** Button on the front panel of the DVR. Green box will appear on screen to confirm that manual recording is enabled. Press **“Record”** Button again to stop recording.

OR Right click on main screen and select **“Record”**.



Note: Definition of Holding Time (on motion detect setting) :

After motion record is activated and there is **NO** activity within 10 seconds this will be handled as one event. Otherwise if there **IS** activity within that time frame it will continue recording.

Note: Change Daylight Savings on the first week of March and second week of November.

3. Wizard for HDD setup



You can format HDD by using **“Format”** function. After HDD format completed, it will show **“Normal”** label on status.

*** Please make sure to backup all HDD data before you format the HDD. All HDD data will be erased after HDD formatted. Please click **“Finish”** to get into login page.**

NETWORK SETUP: STATIC IP ADDRESS & DDNS

Part 1. Static IP Address

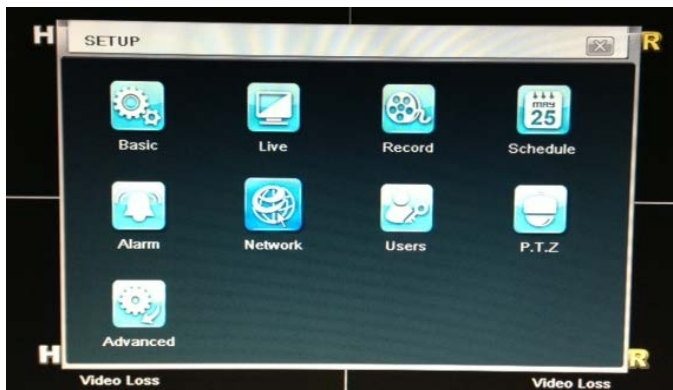
1. Enter Main Menu screen by pressing the **MENU** button on the front panel of the DVR.
Then enter password "123456" and click Login



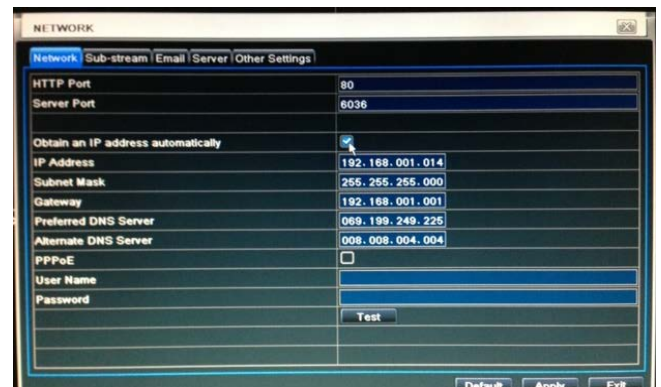
2. Select **Setup**.



3. Select **Network**.



4. Select "Obtain an IP address automatically," turn on this feature.
Then Select **Apply** at the bottom of the screen to restart the network.
This will generate a new IP Address.
(Make sure Ethernet Cable is plugged in)



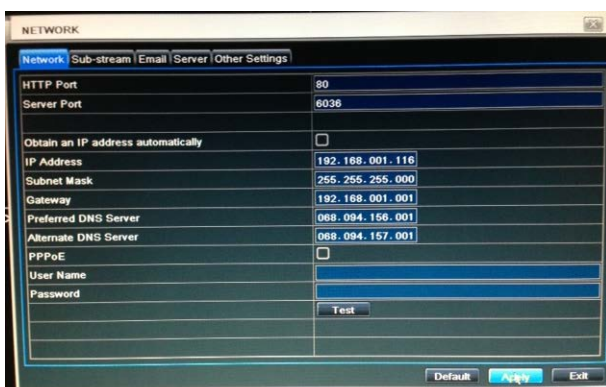
5. After **Apply**, the IP Address, Netmask, Gateway, and DNS addresses should automatically be generated.

***For STA**

TIP: Write down HTTP Port, Server Port, and IP Address on a piece of paper for reference. You will need these numbers later in the installation.

TIP: If you do not know a DNS address and the DVR did not populating those fields by itself, try 8.8.8.8 and 8.8.4.4. These are Google's public DNS addresses, and in addition to working well.

6. Uncheck "Obtain an IP address automatically" to turn off this feature and make IP Address stay the same. Then click **Apply**.



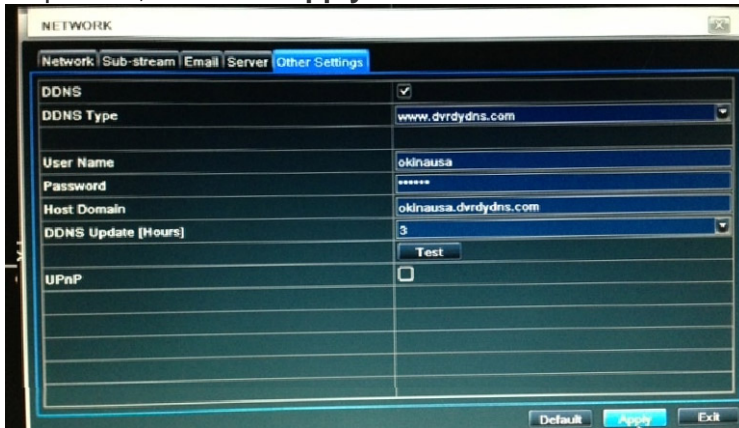
Continued For DDNS
Set up ➔ **Part 2**

Part 2. DDNS

1. Continue Part 1: Select “Other Setting” from the Tab bar and turn on DDNS.



2. Select DDNS Type and pick one website from the given field to register your Host Domain Name.
3. Enter User Name, Password, and Host Domain info that you registered for DDNS and click Test - After Test passes, then click **Apply** and **Exit**.



TIP: AutoDDNS do not need to register online. This can just register on DVR.

The DDNS URL will always be in the form of <hostname>.

If you are unable to access the DVR from the internet using the DDNS URL, but the IP works, please double check that you have the DDNS URL correctly typed

4. Finally, you will need to set port forwarding on your internet-facing router/gateway to direct port 80 traffic to the DVR. Also you will need to port forwarded your server port 6036 to stream video and audio as well. Locate the page in your router settings to set port forwarding (may also be labeled “firewall”).

HTTP Port: Port for IE connection. (Default is 80)	80
Server Port: Port for video and audio streaming. (Default is 6036)	6036
Incoming Port Range (advance)	80-80 (or alternative if port 80 is being used)
Forward Port (advance)	80, 6036
IP	Your DVR's internal IP, typically 192.168.x.x
Protocol (advanced)	TCP & UDP

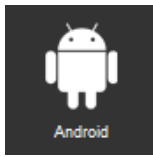
TIP: Some consumer router/gateway devices may present the firewall settings as a list of services to forward. In this case, consult the manual for settings for creating a custom service and use the above values. For router/gateway devices provided by your ISP, please contact your ISP technical support.

DDNS HOSTING SERVER

Item #	DDNS Server Website
1	www.dyndns.com
2	www.meibu.com
3	www.no-ip.com

Item #	DDNS Server Website
4	www.dvrddns.com
5	www.mintdns.com
6	www.autoddns.com

MOBILE APP: SUPER LIVE PRO



**For technical specification, please refer to the User Manual.*
