



# User Manual

4CH Full HD 1080P Wi-Fi NVR  
1080P Wireless Network Camera  
(Reolink Wireless NVR)



Thank you for purchasing the Reolink Wireless Network Video Surveillance Product.

For the latest User Manual, Product Updates and more information about the products, please visit our website at:

<https://reolink.com>



### CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products' enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**

**CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF THE PLUG TO THE WIDE SLOT AND FULLY INSERT.**

# GETTING STARTED



We have developed user-friendly products and documentation. You may download the software and manual from <https://reolink.com/software-and-manual/>.



If you have any question, please refer to <https://reolink.com/faqs/> for the answer.



If you may need any technical support, please contact us at [support@reolink.com](mailto:support@reolink.com).



You may download Firmware from <https://reolink.com/firmware>.

## FCC Verification

**Note:** This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- These devices may not cause harmful interference, and
- These devices must accept any interference received, including interference that may cause undesired operation.

## Important Note:

All jurisdictions have specific laws and regulations relating to the use of cameras. Before using any camera for any purpose, it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and to comply with the applicable laws and regulations.

## FCC Regulation (for USA):

### Prohibition against eavesdropping

Except for the operations of law enforcement officers conducted under lawful authority, no person shall use, either directly or indirectly, a device operated pursuant to the provisions of this Part for the purpose of overhearing or recording the private conversations of others unless such use is authorized by all of the parties engaging in the conversation.

#### WARNING

Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

## IMPORTANT SAFETY INSTRUCTIONS

- Make sure product is fixed correctly and stable if fastened in place
- Do not operate if wires and terminals are exposed
- Do not cover vents on the side or back of the Camera and allow adequate space for ventilation

## RoHS:

This product is fully compliant with the European Union Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment ("RoHS") Directive (2002/95/EC). The RoHS directive prohibits the sale of electronic equipment containing certain hazardous substances such as lead, cadmium, mercury, and hexavalent chromium, PBB, and PBDE in the European Union.

## BATTERY INFORMATION

**This product contains a removable battery.** If you need to replace or dispose of the internal battery.

The battery is located on the main board of the Camera. It is a primary lithium CR2032 button cell.

To access, remove and/or replace the battery:

- Ensure the Camera is turned OFF. NEVER open the Camera's case while power is connected.
- Remove the five screws holding the cover on the Camera.
- If replacing the battery, ensure that it is an exact match for **size, type and capacity**.
- Be sure to safely dispose of the battery. The process for battery disposal/recycling varies from location to location, please check with the relevant local authority for method.

## BATTERY SAFETY INSTRUCTIONS

- Do **NOT** attempt to open, puncture, disassemble or modify the battery in any way.
- Do **NOT** subject it to sudden shock or heat.
- Do **NOT** dispose of battery in fire.



## Network Video Recorder Features

- Wireless Full HD 1080P Resolution
- 15fps Recording at 1080P(1920\*1080) Resolution
- Simultaneous Playback and Live View on the same screen
- Wireless 802.11b/g/n, Router performance Wi-Fi Module for stable transmission
- 24/7 100% Duty Cycle Hard Disc Drive
- Expandable High Capacity Storage - up to 4TB
- HDMI output resolution 1080P & VGA output for simple connection to HDTVs (HDMI cable included)
- View, Record, Playback, Backup & Remotely control the system simultaneously

## Connectivity Features

- Latest Reolink P2P technology
- Instant Mobile Viewing on compatible Smartphones Dedicated iPad® and Android tablet apps with multi-channel live viewing and one-channel playback
- Reolink Easy Connect Internet Set-up Wizard
- Reolink Client Software
  - PC (Windows 7, 8, 10) compatible using client software (included) & web browser.
  - Mac remote client software (included) and Safari web browser.
- Instant e-mail alerts with snap shot attachments of event.

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**NVR**

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The system comes with the following components:



4/8 Channel NVR  
Hard Drive (Installed)



Wi-Fi Bullet Camera



Ethernet Cable



Optical Mouse



Power Adapter



CD



HDMI Cable



Quick Start Guide



18M Extension Cable

## Front Panel



- **Power LED:** Solid **GREEN** indicates the NVR is supplied with power and turned on.
- **HDD LED:** Blinking **RED** indicates the NVR is writing / reading from the installed hard drive.
- **USB:** Used for connecting the USB mouse or USB hard drive.

## Rear Panel



- **VGA:** For connecting a television or PC monitor with a VGA input (make sure the monitor you use supports the resolution you set in the menu).
- **HDMI:** The primary video output of the NVR.
- **Network (LAN) Port:** connects the NVR to your router or network switch for Internet connectivity.
- **USB 2.0 :** For connecting the USB mouse or USB hard drive.
- **Wi-Fi Antenna:** Used to send and receive Wireless Signal.
- **DC 12V Power Input:** Plug the DC power adapter into this socket to provide power to the NVR
- **eSATA:** an easy way to connect an additional Hard Drive for extra storage.
- **Audio Out:** Used for connecting external speakers.



You can follow below steps to connect your system:

## Step 1: Connect the NVR to a Monitor or TV

Use the HDMI cable (supplied) to connect your NVR to the TV HDMI port.  
Or VGA: Use the VGA cable (supplied) to connect your NVR to the TV VGA port.



## Step 2: Connect the IP Camera Power Adapter

Connect the camera's power adapter to turn on the camera, please use 12V/1A Power Adapter.

If you need longer power adapter, you may use the provided 18M extension Cable, one side to camera, the other side to the power adapter.

Camera **Reset** button: It enables you to reset the camera's settings back to factory default.



Before connecting the power adapter to camera, please use the supplied PSU. If using another PSU, please check its label to make sure it is 12V. If higher than 12V, it will burn the camera, if lower than 12V, camera might not work properly.

### Step 3: Connect to your network

Connect an Ethernet cable from the LAN port of the NVR to LAN port of your router.



### Step 4: Connect the Mouse

Connect the mouse to the USB port.



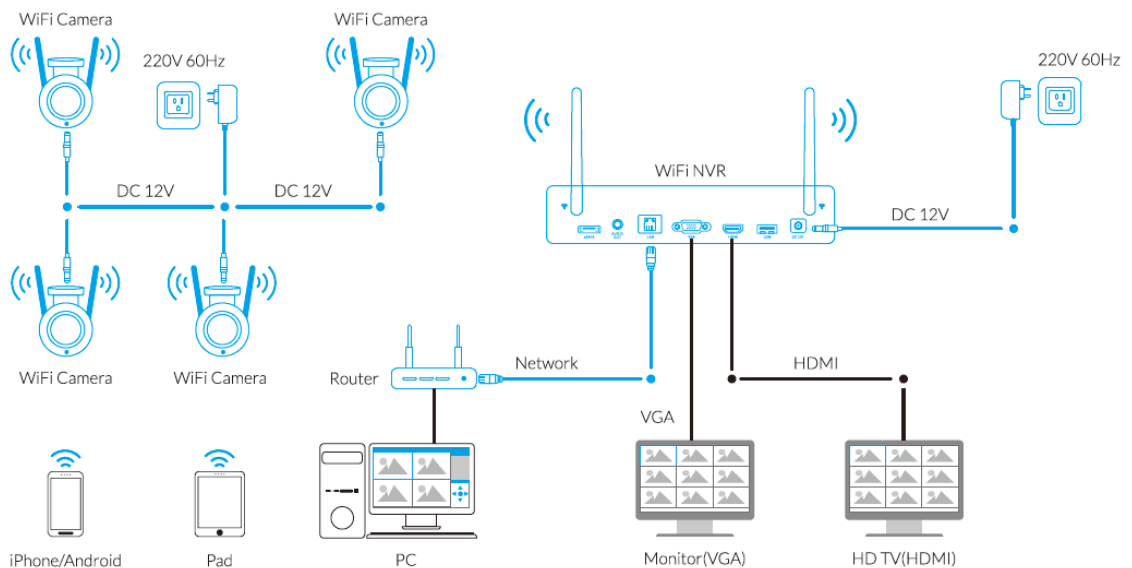
The USB Mouse:

- Left click:** Selects an item or confirms a choice.
- Right click:** Opens the menu bar from the Live Viewing screen. Returns one “step” from a submenu. Opens a context menu in some setting screens.
- The Scroll Wheel:** Can be used to adjust the values of sliders and scales when highlighted by the mouse.

## Step 5: Connect the Power Adapter



Please use the supplied power adapter. For Wireless NVR device, it is 12 voltages. Camera voltage is 12V only.

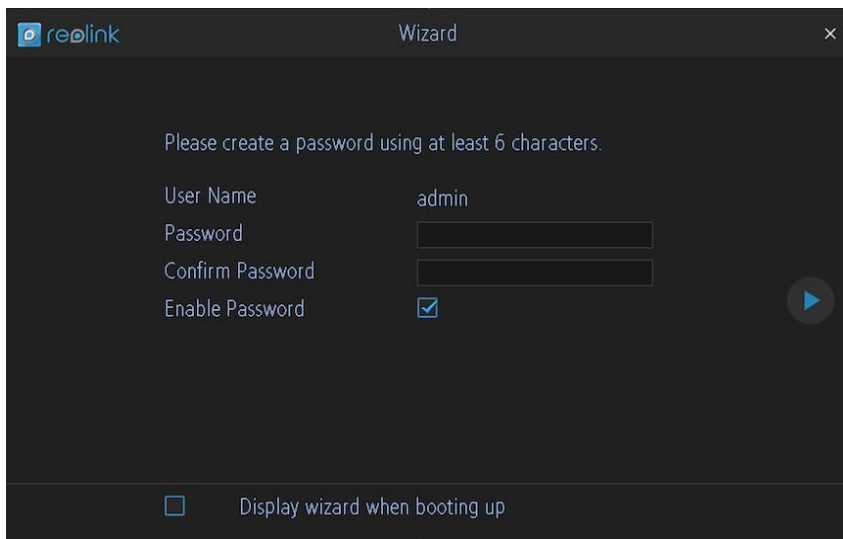


The Setup Wizard will run automatically during the first time you start the NVR.

The wizard will guide you through all the settings you need to get your NVR up and working, specifically to:

- Create Password
- Set Output Resolution
- Set Time Zone
- E-mail Setting

## Setup Wizard



reolink Wizard

Please create a password using at least 6 characters.

User Name admin

Password

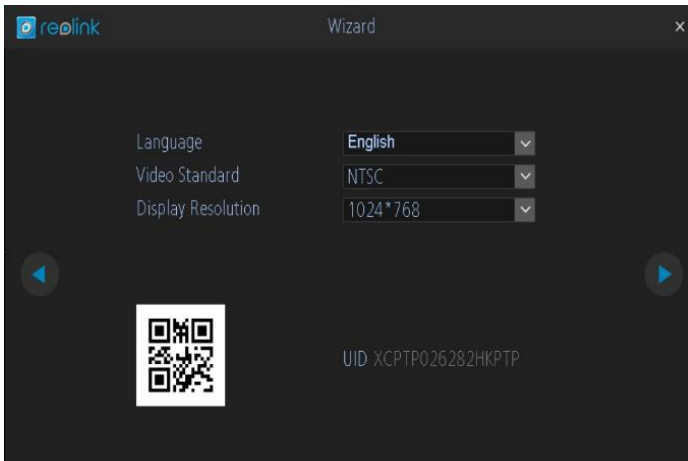
Confirm Password

Enable Password ☒

☐ Display wizard when booting up

For Safety purpose, you need to create the password for your NVR at first time.

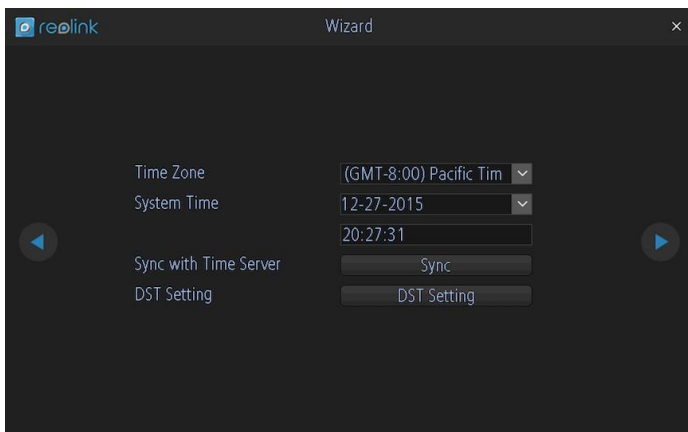
- **User Name:** The NVR's default administration account, which is always called "Admin". You can't change the **Admin** user name.
- **Password:** The password you'd like to be associated with the **Admin** account. A password can be between 6 and 31 characters in length, and may consist of numbers, letters or symbols, space is allowed in the middle, but not at the first or last character. **The default password is blank, so you must create a new password to continue.**
- **Confirm Password:** Re-enter the password to ensure accuracy.
- **Enable Password:** Select this if you want to be prompted for the user account's password when accessing the main menu.
- **Display wizard when Booting up (checkbox):** Select this if you want the NVR to automatically run the configuration wizard when it boots up. You may also run the wizard at any time by clicking the Wizard option on the main menu.



**Language:** Choose the language you would like the menu system to display.

**Video Standard:** Choose between **NTSC** (USA, Canada, Mexico, Japan, Korea and some other regions) or **PAL** (UK, Europe, Australia and some other areas). If this is set incorrectly, images from your cameras will be distorted, black and white.

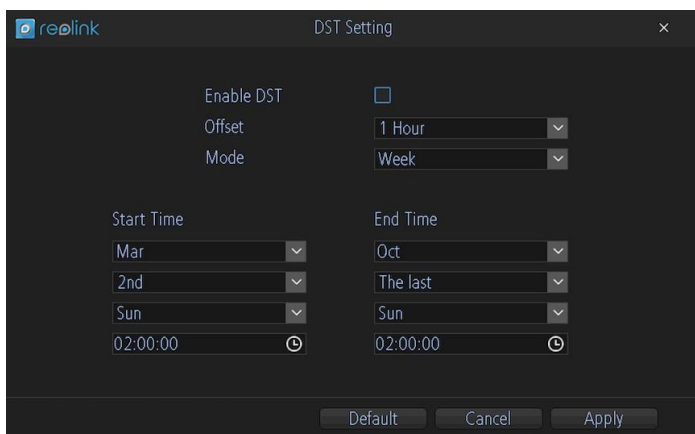
**Display Resolution:** How many pixels the NVR will output. Typically, you'll want to set this to be equal to the native resolution of your monitor/television. It is suggested to set it to 1920\*1080 when you need HDMI monitor connection.



**Time Zone:** Choose the time zone you are at. It is really important to select the right time zone if you are using NTP (Network Time Protocol).

Some common Time Zones: In the USA EST (Eastern Standard Time) is GMT-5:00, PST (Pacific Standard Time) is GMT-8:00. UK is GMT +0:00, and the East Coast of Australia is GMT +10:00.

**System Time:** The NVR's current date and time.



The screenshot shows the 'DST Setting' dialog box in the Reolink software. The dialog is titled 'DST Setting' and has a close button (X) in the top right corner. It contains the following settings:

- Enable DST:** A checkbox that is currently unchecked.
- Offset:** A dropdown menu set to '1 Hour'.
- Mode:** A dropdown menu set to 'Week'.
- Start Time:** A section with three dropdowns: 'Mar', '2nd', and 'Sun', followed by a time field set to '02:00:00' with a clock icon.
- End Time:** A section with three dropdowns: 'Oct', 'The last', and 'Sun', followed by a time field set to '02:00:00' with a clock icon.

At the bottom of the dialog are three buttons: 'Default', 'Cancel', and 'Apply'.

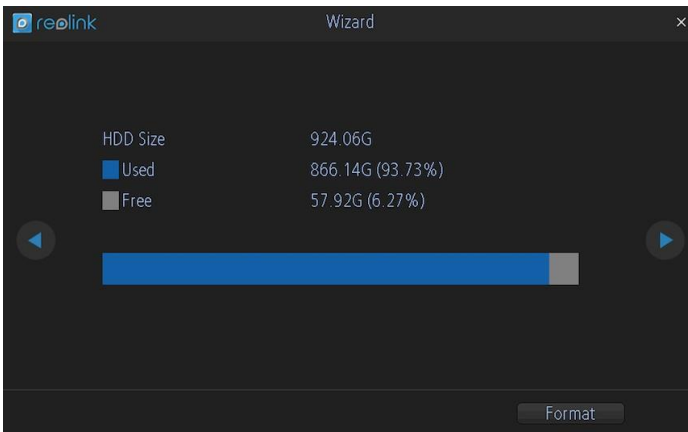
**DST Setting: Daylight Saving Time** ( **DST**) or **summer time** is the practice of advancing clocks during summer months by one hour so that in the evening hours day light is experienced later, while sacrificing normal sunrise times. Typically, users in regions with summer time adjust clocks forward one hour close to the start of spring and adjust them backward in the autumn to standard time.

**Note:** Make sure your time offset is set correctly or both your NVR's normal time and DST time may not be sync.

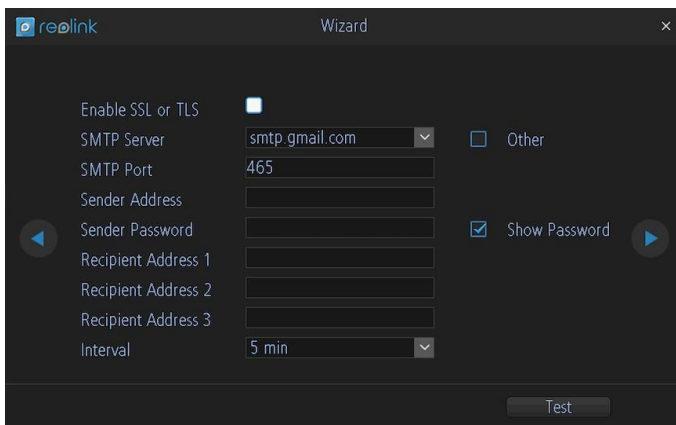
**Offset:** The amount by which the time changes during DST. For the vast majority of locations, the offset is one hour, but exceptions to this rule exist.

**Start Time / End Time:** Tells when DST begins and ends in your locale.

If your time zone observes daylight saving time and you want your NVR's clock to be updated automatically when daylight saving time starts and ends, make sure the **Enable** checkbox is selected.



Before Ex-work, all the HDD has already been formatted. Anyway, you can format the HDD again here by clicking Format Button.

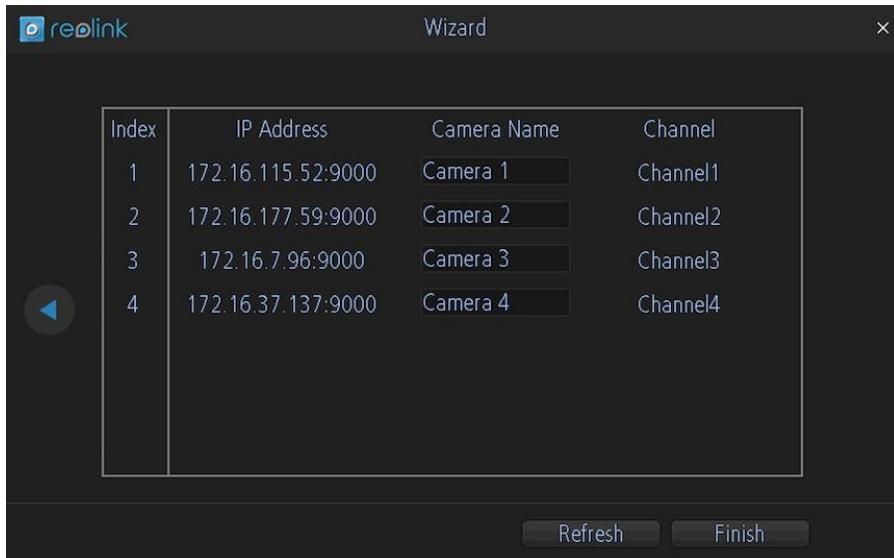


### E-mail

If you want the NVR to send email alerts as alarm events are detected, then you need to configure an outgoing email server for the NVR and choose an email address for it.

We recommend creating an account with Gmail specifically for the NVR. Below instruction assumes that you are using a Gmail account.

- **Enable SSL or TLS:** Check box to enable
- **SMTP Port:** The SMTP port of your email server. Gmail's port is 465 (this value will self-populate)
- **SMTP Server:** The SMTP address of your email server. There are 3 preset options to select from: smtp.gmail.com, smtp.live.com or smtp.mail.yahoo.com
- **Sender Address:** The email address you want your NVR to send alert from. For example, *your\_email@gmail.com*.
- **Sender Password:** The password of your sending email address.
- **Recipient Address:** Enter an email address for the NVR to send alerts to (usually your personal email address).
- **Attach Picture:** You may select Disable, Attach Picture, or Attach Video. Disable means there is only text information in the email; Attach Picture means there will attach a snapshot(4MP) when MD alerts; and Attach Video means there will attach a video clip(30s) when MD alerts.
- **Interval:** The minimum amount of time that must elapse after the NVR sends an email alert before it can be triggered again.
- **Test:** To check if you've set up email alerts properly, click the Test button. If your connection and email details are ok, you will see a message on the NVR screen confirming the email was sent successfully. After a short delay, you will also receive an e-mail in your inbox (Recipient's Address) informing you that email alerts from the NVR has been set up. If the test is unsuccessful, please check your sender's address/password and recipient's address(es) and try again.



Here you can see the list of cameras that are connected to the Wireless NVR.

- **IP Address:** Displays the unique IP number and port number that is assigned to the network camera.
- **Camera Name:** All cameras' default name is "Camera 1". Changing its name will help to easily identify the camera. The assigned camera name will always stay the same (unless if you change it).
- **Channel:** The channel to which the camera has been assigned.

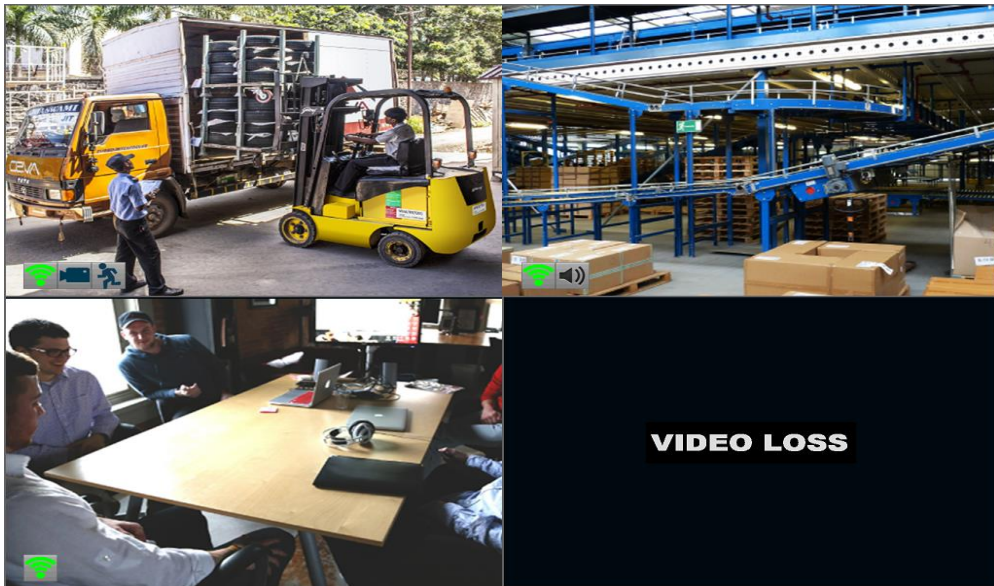
### Finishing the Setup Wizard

When you click **Finish**, the NVR will update and save your settings.



## Using the Live View Screen

Live View is the default mode for the NVR. All connected cameras are displayed on-screen. The NVR can display video feeds from up to four cameras.



### Status icon

Information on the NVR and camera status is displayed as icons on the Live View screen. Each camera will show its own status icons. Icons are there to give you a quick snippet of what's going on with your cameras - whether your camera has detected motion or even when your camera is having a connectivity issue. The following is a guide of what each icon represents:



The camera icon indicates that it is currently recording. This icon will be the same whether the recording was scheduled, initiated manually or triggered by motion (though the motion icon will also be present if there's motion detected).



The motion icon indicates that the NVR is detecting motion coming from this camera. It doesn't necessarily mean it's recording (the camera icon will be there, too, if that's the case).



Video Loss indicates that the channel displaying this has lost the feed from its camera. This may be caused by a disconnected/damaged cable, the camera may have lost power, the camera may have been de-registered from the channel or the video standard might be wrong (PAL/NTSC).



If you see this icon on-screen (it'll be showing in the lower right corner by default) it indicates that something has gone wrong. Click the icon to access the **Event Log** where you'll get more information about exactly what happened.



This icon shows the WIFI Signal strength of the WIFI Camera.

## Menu Bar

On the Live View screen, Right click with the mouse to open the Menu Bar.



Open the main Menu, you may set the camera recording, search, motion, network system and etc.



Open the camera device list



Open the Video Search page



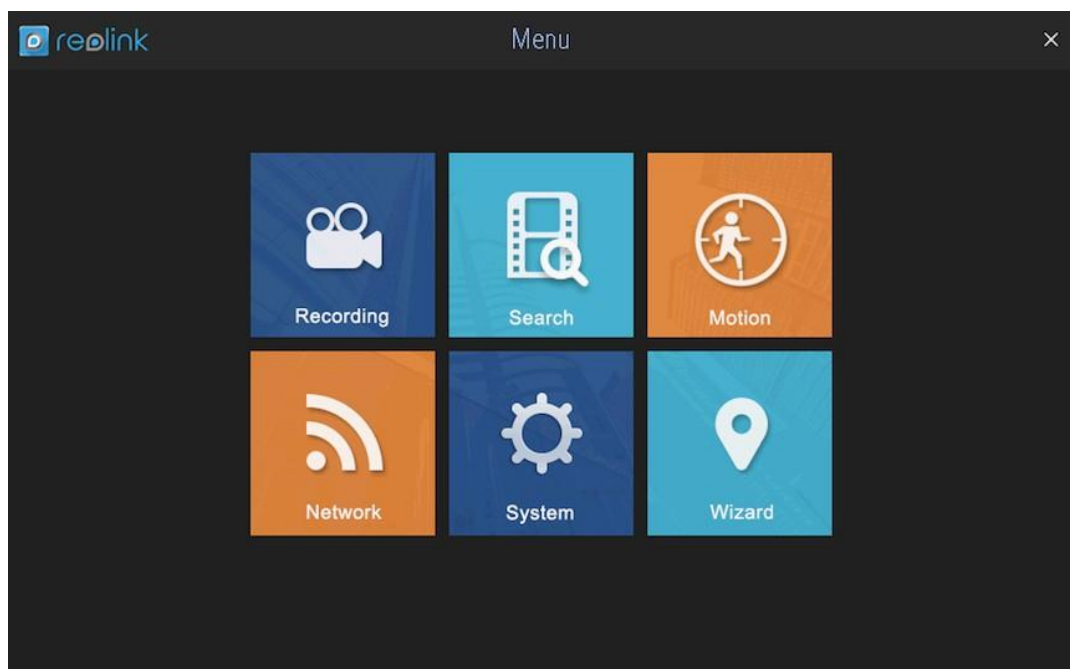
Enable or disable the Audio



Shutdown, reboot or Lock the system

## Below is the Main Menu Page:

Right click the mouse to open the menu bar, then click the menu button to open the Menu Page.



On Record: Encode Page, you may:

- Change the camera no.
- Setup Recording resolution
- Setup Recording Frame Rate
- Setup Bitrate, the higher of the value, the better of the image quality



- **Camera No.:** The channel you want to set.
- **Camera Name:** You may specify a name to your Camera using the virtual keyboard.
- **OSD Display Position:** Click Set button to set where you want to display the OSD on the Screen.
- **Record Audio:** Check to Enable audio of Live View/Record(Main Stream) or remote access(Sub Stream)
- **Encoding Parameters:** Tells whether you are editing the parameters for the mainstream or the sub-stream.
- **Main-Stream:** The main-stream is the video feed that the NVR will record and display. This is the higher-quality stream.
- **Sub-Stream:** The sub-stream is the video stream that the NVR will send to remote devices via network or the Internet. It is the lower-quality stream since a reduction in video size makes it easier to send over a network.
- **Resolution:** Tells how many “little dots” are going to make up your image.
- **Frame Rate:** Frames per second (fps) that the NVR will record. The default is 15fps at 1080P and 30fps at 720P.

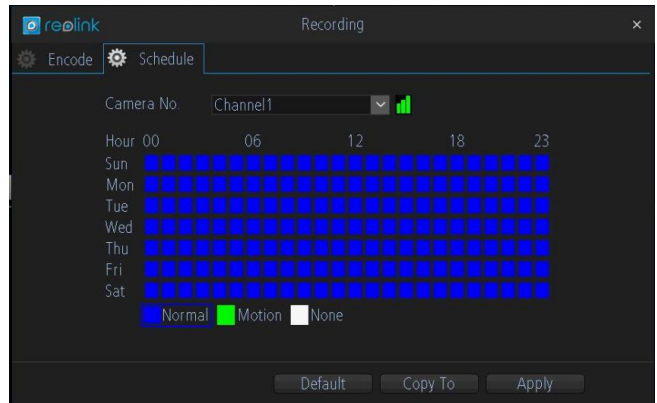
Reducing the number of fps will **not** save hard drive space but **will** potentially improve the data-rate per frame (depending on how you set the bit-rate).

Remember that your FPS count is the same as saying “take X photograph per second” (where X is your FPS setting). 5fps doesn’t sound like much, but it’s still five individual photographs per second. If maintaining image clarity while reducing HDD consumption is your priority, it makes sense to lower the frame rate.



- **Max. BitRate(Kbps):** The actual amount of data that the NVR will use to record video. The higher the bitrate, the more space each recording will take up on the hard disk. Generally speaking, recordings encoded at higher bitrates will be of better quality, especially when recording movement.

Click “Apply” to keep the setting and you may also copy the same setting to other channels or go back to factory default setting.


On Recording: Schedule Page, you may set the schedule recording time for the selected channel.






There are three (3) types of recording to choose from.

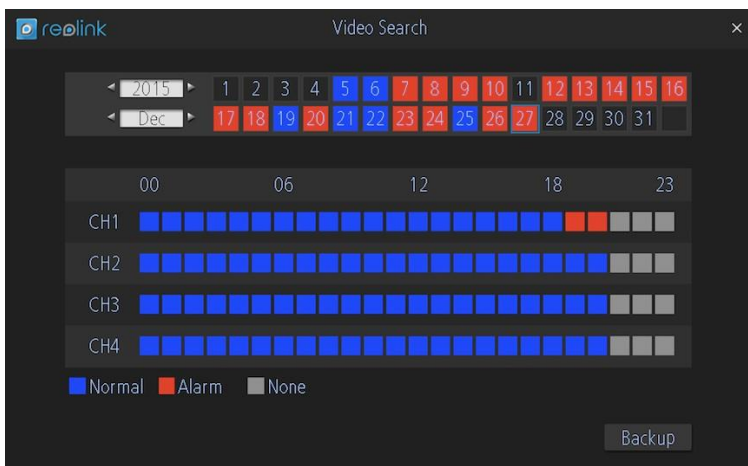
- : The NVR will constantly record for any period when **Normal** is selected. You won't miss anything, but constant recording will fill your hard drive very quickly. Typically, we suggest Motion as a better recording mode for most users.
- : The NVR will only record when it detects something moving in front of a camera, and will then only record footage from the camera(s) that do detect.

Before setting any of your schedule to Motion, ensure that **Motion Detection** is properly configured for the channel(s) you want to associate with it. See "[Alarm: Motion](#)" for more information about setting up and configuring Motion Detection.

- : The NVR will not record anything.
- **Copy To (Channel):** Located at the base of the screen, with **Default** on one side and **Apply** on the other. This will allow you to copy the schedule from the channel you're editing to another channel or channels.

On the **Search** Page, you may:



- search the recorded video file
-  means the type of recorded file is Alarm;
-  means Normal recording;
-  means no recording.



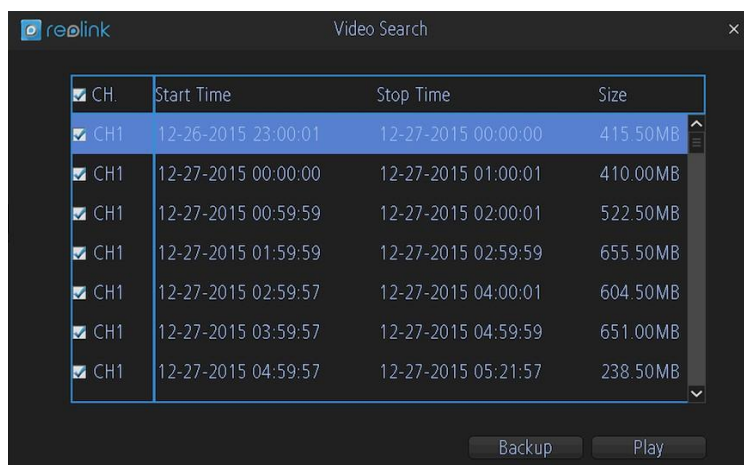
For playback, click the file you want to play, directly click the color grid box to play, you can see below play windows:



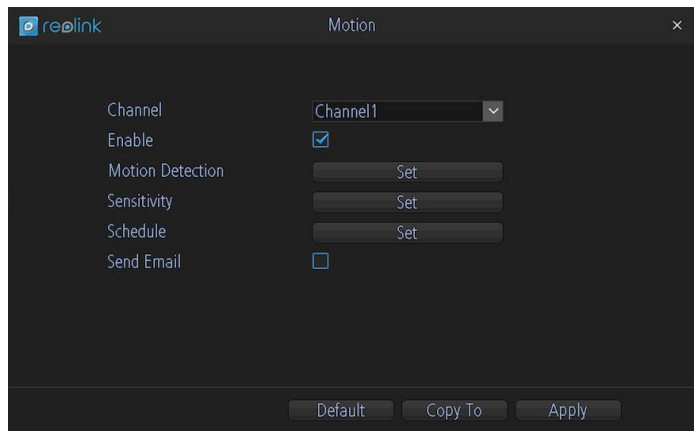
If you want to download some specific parts of the video, please follow the steps below:

- Click the Cut Button .
- Click on the playback bar to choose the start time and drag to the end time you select for the video clip;
- After selecting the video clip, please click the Backup button  to download it to your USB drive.

If you want to backup the storage file, you can click Backup, then you will see the below window, choose the file you want to backup, then click Backup. If you want to play single channel, you can choose the file and click play also.



On **Alarm: Motion** Page, you may set the motion detection function here.



## What is Motion Detection?

**Motion detection** is the process of detecting a change in the position of an object relative to its surroundings or a change in the surroundings relative to an object.

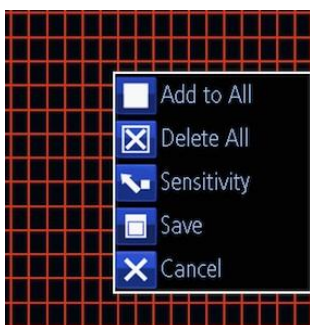
There are many approaches of motion detection in a continuous video stream. All of them are based on comparing the current video frame with the one from previous frames or with something that we will call background.

- **Enable:** Tells whether or not motion detection is enabled on a specific channel.
- **Motion Detection:** Click the applicable **Set** button to setup the motion detection area for that channel.(The area with red grids are for MD area, while non grid means no MD)
- **Sensitivity:** tells how sensitive the motion detection movement will be.
- **Schedule:** Provides the Motion detection Schedule.
- **Send Email:** Tells whether or not the NVR will send an auto-email alert when the event type you have selected occurs.

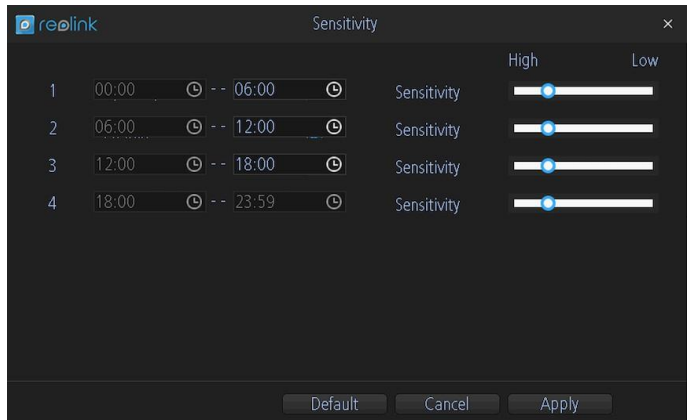
## Set Motion Detection


Click **Set** button next to Motion Detection. You will see a grid of red boxes. The outlined boxes mark the area that is sensitive to motion. The area without the red outlines is not sensitive to motion.

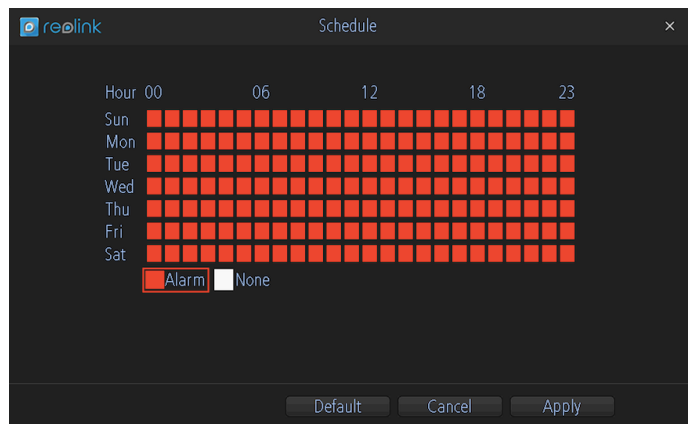
Use the mouse to move the cursor around the screen. By pressing to select or left clicking an area in the grid, you may toggle motion detection ON or OFF in that location.



**Sensitivity:** The Sensitivity setting is controlled by a slider, allowing you to set a value between 1 and 50. The lower the number, the more sensitive the motion detection will be. In the daylight time, it is suggested to set higher sensitivity between 10~40. In the night mode, it is suggested to set lower sensitivity between 40~50 to avoid noise triggers the MD. You may set 4 different period with different sensitivity.



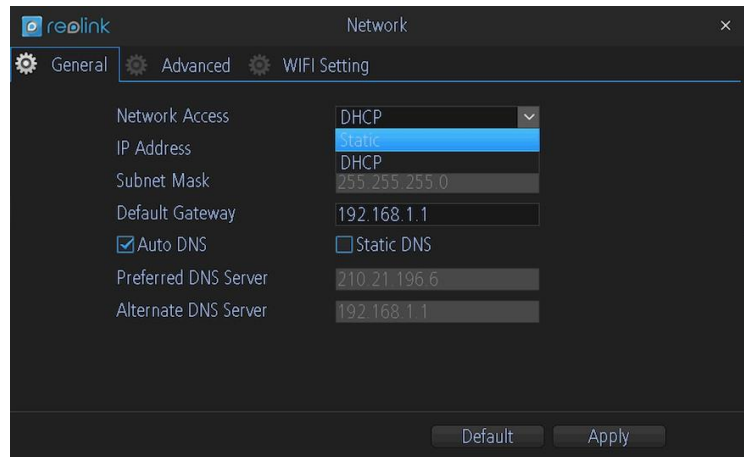
**Schedule:** You may set the Motion Detection schedule by clicking the Set button next to Schedule. And click  and drag in the time grids to setup the alarm periods.





On the **Network: General** Page, you may setup your network connection.

- Network Access
- IP Address
- Subnet Mask
- DNS

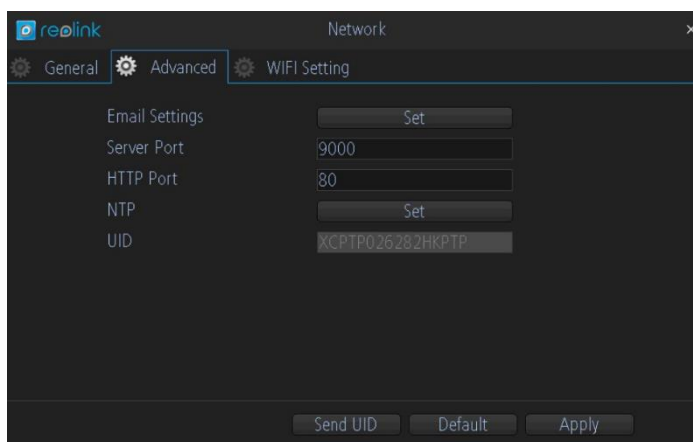


- **Network Access:** Here you can choose among the two different types of networks that the Camera can be connected to. The three types of networks are:
  - **DHCP:** DHCP is a system where one device on your network (usually a router) will automatically assign IP address to device connected to the network.
  - **STATIC:** Static network requires all devices to have their IP addresses manually defined, as there is no device dedicated to automatically assign IP address. Please note that the IP address should not be conflicted to other network devices under the same router.
- **IP Address:** Just as Home and Office needs to have an address which identifies their location on the road network, the Camera uses IPv4 address, which consists of four groups of numbers between 0 and 255, separated by periods. For example, a typical IP address might be “192.168.1.24” or similar.
- **Subnet Mask:** If the IP address is like a street address, then a subnetwork is like your neighborhood. This will be formatted in a similar way to the IP address (i.e. four numbers up to 255 separated by periods) but contain very different numbers. In the above example, the Subnet Mask might be something like: “255.255.255.0”.
- **Gateway:** This is the address of the “way to the Internet.” To continue the road analogy, this is like your local access point to the highway. This is an IP address in the same format as the others, and is typically very similar to the IP address of the Camera. To continue the above example, it might be something such as: “192.168.1.1”.
- **Auto DNS / Static DNS:** Choose how you would like to define your DNS servers. We recommend leaving it on Auto configuration.
- **Auto DNS:** The Camera will automatically choose a DNS server. This is the recommended setting.
- **Static DNS:** If you need to manually define a DNS server, then choose Static DNS. The DNS must be the same as that in your router, otherwise the email function might be failed.
- **Preferred DNS Server:** “Domain Name System”. Everything on the Internet is located via an IP address - however, for ease of use, we associate domain names (such as “www.exampledomainname.com”) with those IP addresses. These index are accessible in many locations online, and we call those locations “DNS servers”.
- **Alternate DNS Server:** A backup DNS server. This is for redundancy - your Camera will probably work without preferred one.



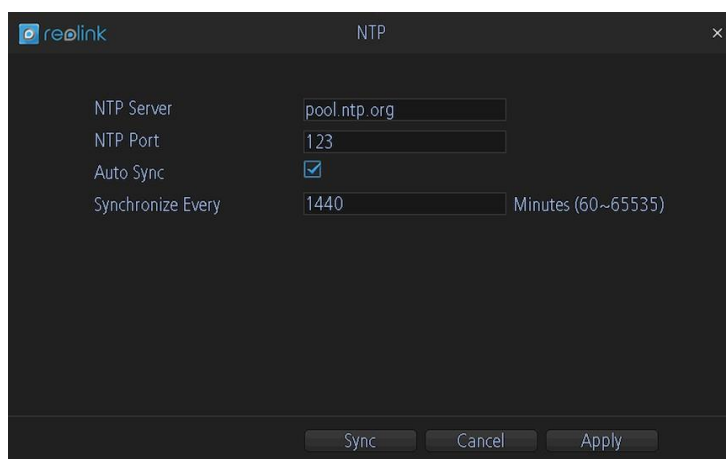
On the **Network: Advanced** page, you may set:

- E-mail
- Server Port
- Http Port
- NTP



- **Email Settings:** Tells where you may configure the NVR to work with an email account of your choice. This must be correctly configured for the NVR's auto-email feature to work.
- **Server Port:** This is the port that the NVR will use to send information through. It is required to forward the port in your router if you do not use Reolink P2P service, but domain name or static WAN IP.
- **HTTP Port:** This is the port through which you will be able to log into the NVR from web browsers.

**NTP** stands for "Network Time Protocol". It's a way for the NVR To connect to the Internet and automatically update accurate time.



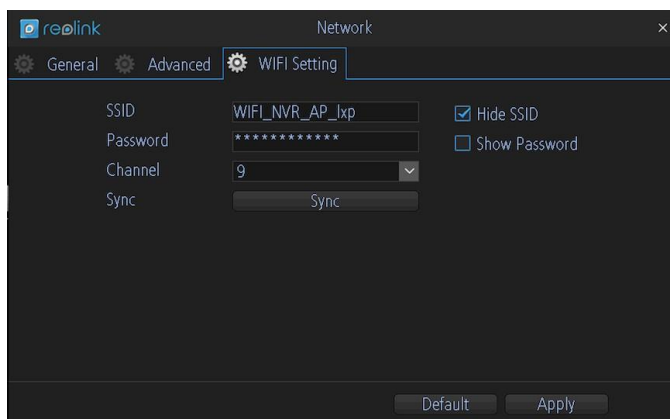
E-mail tells you what's going on around your home or business when there is Motion Detection happens.

We suggest using Gmail as your email client. But you have to setup the gmail security level as LOW to enable the NVR to use its SMTP server. (Note: gmail will not allow any other non-gmail app. to use its SMTP server)

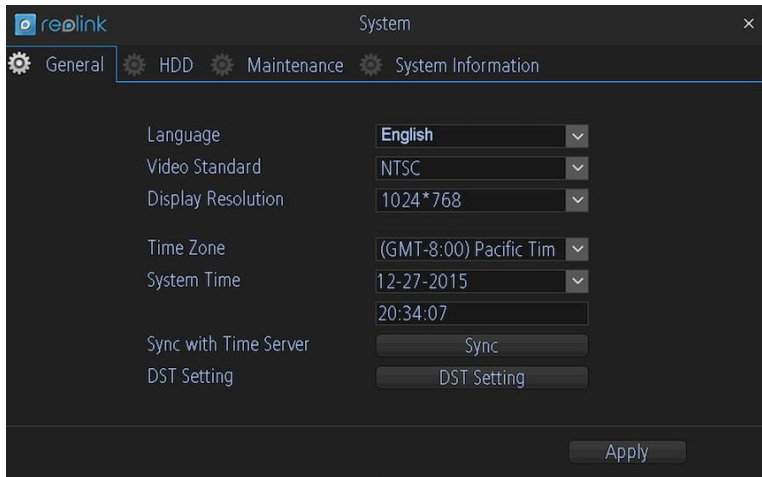
- **Enable SSL or TLS:** Tells whether the email server you are using requires a secure link. This is **on** by default and should be left on if you are using any of the preset email servers.
- **SMTP Server:** There are three preset options to choose from, Gmail (smtp.gmail.com), Windows Live Mail (smtp.live.com) and Yahoo Mail (smtp.mail.yahoo.com).
- **SMTP Port:** The SMTP port used by the email provider of your choice. This field will automatically self-populate if you use one of the presets.
- **Sender Address:** The address you are sending the email **from**. This will be the username you have set up for the email server you are using, For example: "youraddress@gmail.com" or similar.
- **Sender Password:** The password for the outgoing email account.
- **Recipient Address:** The email address you want the NVR to send emails to. 3 email addresses at most can get the notification when there is motion detection alert.
- **Interval:** The length of time that must elapse after the NVR sends an email alert before it will send another.
- **Test:** To check if you have set up the email alerts properly, click the Test button. If your connection and email details are ok, you will see a message on the NVR screen confirming that the email was sent successfully. After a short delay, you will also receive an e-mail in your inbox ([Recipient's Address](#)) informing you that email alerts from the NVR has been set up. If the test is unsuccessful, please check your sender's address/password and recipient's address(es) and try again.

You may SYNC the additional new RLC-210W in this page.

It is NOT recommended to change the SSID or password, as the cameras have been SYNCED with the SSID and PASSWORD already. If you change either of them will result in your camera not able to connect to the NVR and will need do SYNC again.



- **AP Mode:** The NVR can only work as AP mode. In computer networking, AP is an abbreviation for Access Point. An access point is a device that permits mobile devices, such as laptop computers and personal digital assistants to connect wirelessly to a wired computer network. Here, if **NVR** is in **AP mode**, it means that the Wireless NVR allows the Wireless Camera to connect to it. Router is always work in AP Mode.
- **SSID: Service Set Identifier (SSID).** It is used as a unique identifier for a wireless LAN. Since this identifier must be frequently entered into devices manually by a human user, it is often a human-readable string and thus commonly called the "network name". Here the SSID is used for NVR, so Camera can use this SSID to connect to NVR. Before EX-work, we already setting the SSID between camera and NVR, so there is no need to reset anymore.
- **Channel:** Availability of channels is regulated by country, constrained in part by how each country allocates radio spectrum to various services. At one extreme, Japan permits the use of all 14 channels for 802.11b, and 1–13 for 802.11g/n-2.4GHz. Other countries such as Spain initially allowed only channels 10 and 11, and France allowed only 10, 11, 12, and 13; however, they now allow channels 1 to 13. North America and some Central and South American countries allow only 1 to 11.
- **Sync:** You may sync the NVR SSID and PASSWORD to a new RLC-210W connected to the NVR by network cable.



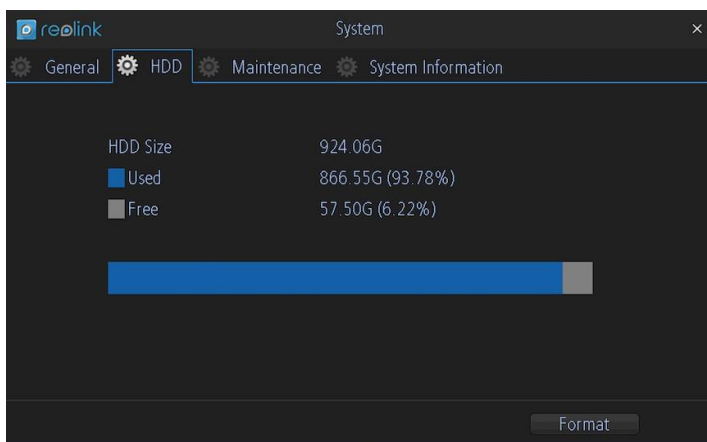
- **Language:** Choose the language you would like the menu system to display.
- **Video Standard:** Choose between **NTSC** (USA, Canada, Mexico, Japan, Korea and some other regions) or **PAL** (UK, Europe, Australia and some other areas). If this is set incorrectly, images from your cameras may be distorted, black and white.
- **Resolution:** How many pixels the NVR will output. Typically, you may want to set this to be equal to the native resolution of your monitor/television.
- **Time Zone:** Choose the time zone you are at. It is really important to select the right time zone if you are using NTP (Network Time Protocol).  
Some common Time Zones: In the USA  
EST (Eastern Standard Time) is GMT-5:00, PST (Pacific Standard Time) is GMT-8:00.  
UK is GMT +0:00, and the East Coast of Australia is GMT +10:00.

**System Time:** Here Allows you set the system time manually

**Sync with Time Server:** Click Sync, the system time will be auto synchronized with the Time server which you set on the time server page.

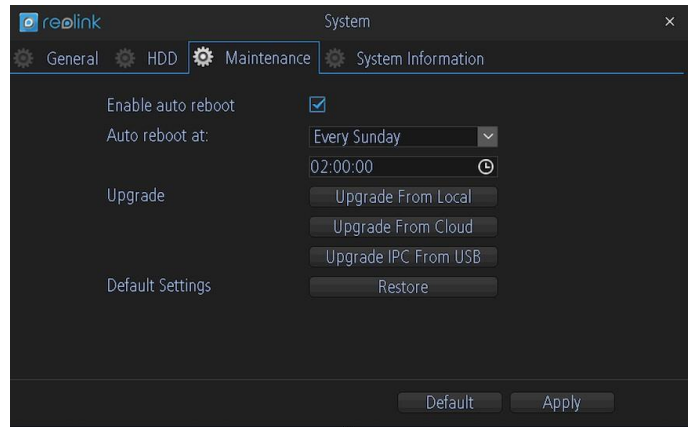
**DST Setting:** Daylight Saving Time setting.

## System->HDD

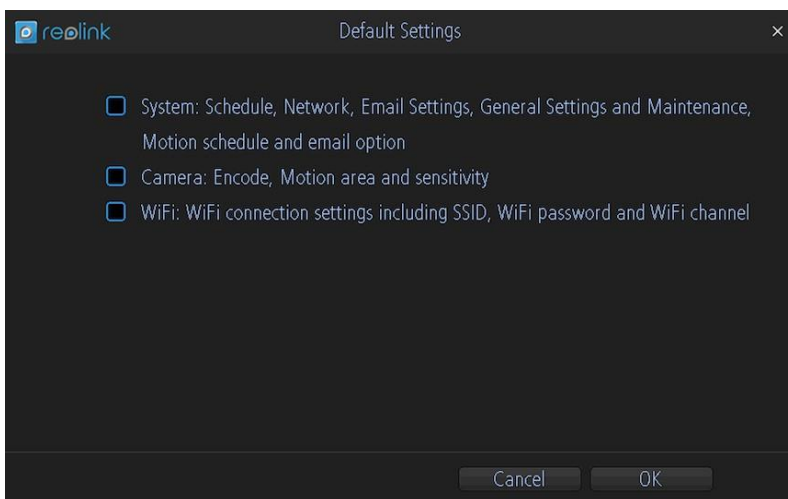


Here shows the HDD size, the used and free space, if you want to format the HDD, please click Format button, then all the storage will be formatted, we suggest it would be better to copy the storage file first before click format if you already storage some file in the HDD.

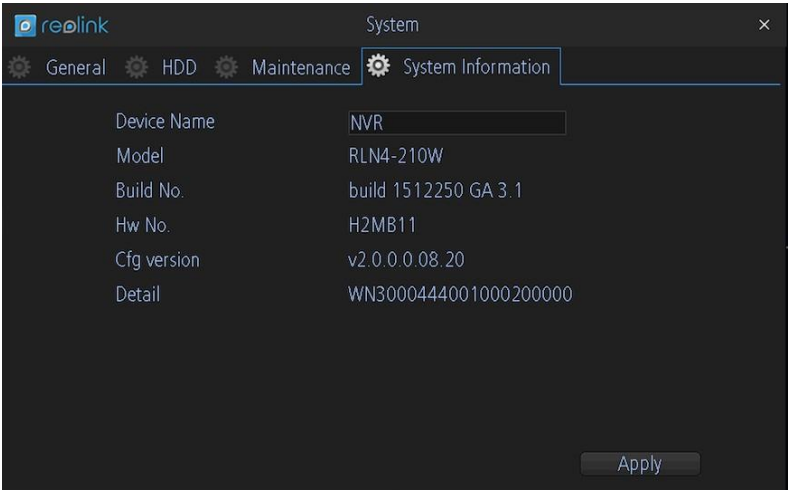
To maintain the NVR, it is suggested that it should be rebooted periodically. In much the same way that a computer can become unstable if left on for an extremely long time, the NVR can become unstable too. It is strongly suggested that the NVR be rebooted at least once per week. However, as this can be a hassle, you may set the NVR up to reboot itself.




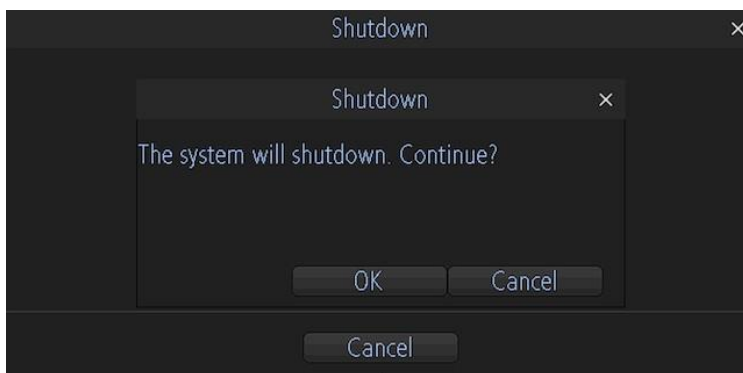
- **Enable auto reboot:** Check the box to automatically shut the NVR down and restart it at a certain time.
- **Auto reboot at:** Choose the exact time when you would like the NVR to reboot.
- **Upgrade:** Instructs the NVR to update its firmware. You'll only need to use this option if instructed to do so by Technical Support. (Remember to Export your configuration first so you don't have to re-set everything)
  - **Upgrade from Local (For NVR Firmware):** You may copy the firmware to the USB hard drive, then insert it to any USB port on the NVR. Click Upgrade from Local. Choose the upgrade file, then click Upgrade to upgrade the NVR. Please get the right firmware from technical support.
  - **Upgrade from Cloud:** the NVR supports upgrade on the air. You can check from our server to know if there any update for the firmware version. If Yes, you can upgrade device online.
  - **Upgrade IPC from USB (For Camera Firmware):** You can use the NVR to upgrade the camera at one time. Copy the camera firmware to the USB drive, then insert the USB drive to any USB port on the NVR. Click Upgrade IPC from USB. Click Browse to find the right file, then click Upgrade.
- **Default Settings (Restore):** It loads the factory default settings. You can choose the field which you want to set to factory default settings, then click OK to save the settings.



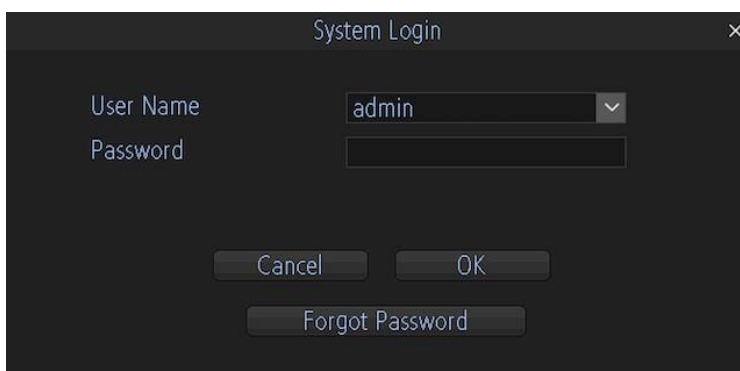
If you're looking at the System Information screen, you've probably been directed to do so by our Technical Support.



When you click Shutdown  on the Menu bar, the below windows will pop out. You can Lock / Shutdown / Reboot the device. Click OK to continue or cancel.



Once you click Lock and want to login again, you need to input the password which you created, then click OK to login.



Reolink warrants this product against defects in workmanship and material for a period of Two (2) year from its original purchase date. You must present your receipt as proof of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labor or replaced at the sole discretion of Reolink. The end user is responsible for all freight charges incurred to send the product to Reolink's repair center. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferable to any third party. Unauthorized end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.

By law some countries do not allow limitations on certain exclusions in this warranty. Where applicable by local laws, regulations and legal rights will take precedence.