swann

security you can trust

AllSecure4K
AllSecure600/650
Wireless Security Kit

INSTRUCTION MANUAL

Contents

Contents

Important Information

This instruction manual was created to cover the use, operation and features of a broad number of Swann CCTV systems. Some features and configuration options shown in this manual aren't available on all models and may only be accessed on specific models. If information is required on specific features not called out on the product web page or packaging, please contact our Swann helpdesk in your region for further information.

Every effort has been made to ensure that the information in this manual is accurate. Because of our on-going efforts to constantly improve our products, additional features and functions may have been added since that time. Swann is not responsible for printing or clerical errors.

Battery Safety Information

WARNING! THIS PRODUCT CONTAINS A COIN CELL BATTERY

- If swallowed, a lithium coin cell battery can cause severe or fatal injuries within 2 hours
- The battery is hazardous if swallowed, keep out of reach of children
- If you think the battery may have been swallowed or placed inside any part of the body, seek immediate medical attention

Important Password Information

This Power Hub does not have a default password. A password is created during the Startup Wizard. If password protection has been enabled and you have forgotten your password, your Power Hub's MAC address can be used to create a new password (see page 16 - Password Reset). You can also access your Power Hub's current password using the Swann Security app (see page 17 - Password Access using Swann Security).

Click for contents

Warranty Information

USA

Swann Communications USA Inc.
12636 Clark Street

Santa Fe Springs CA 90670
USA

Australia

Swann Communications
Suite 5B, 706 Lorimer Street

Port Melbourne Vic 3207
Australia

United Kingdom

Swann Communications LTD.
2 Canon Harnett Court, Wolverton Mill

Milton Keynes, MK12 5NF
United Kingdom

Warranty Terms & Conditions

Swann Communications warrants this product against defects in workmanship and material for one (1) year from its original purchase date. You must present your receipt as proof of date 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 Swann. The end-user is responsible for all freight charges incurred to send the product to Swann's repair centers. The end-user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin.

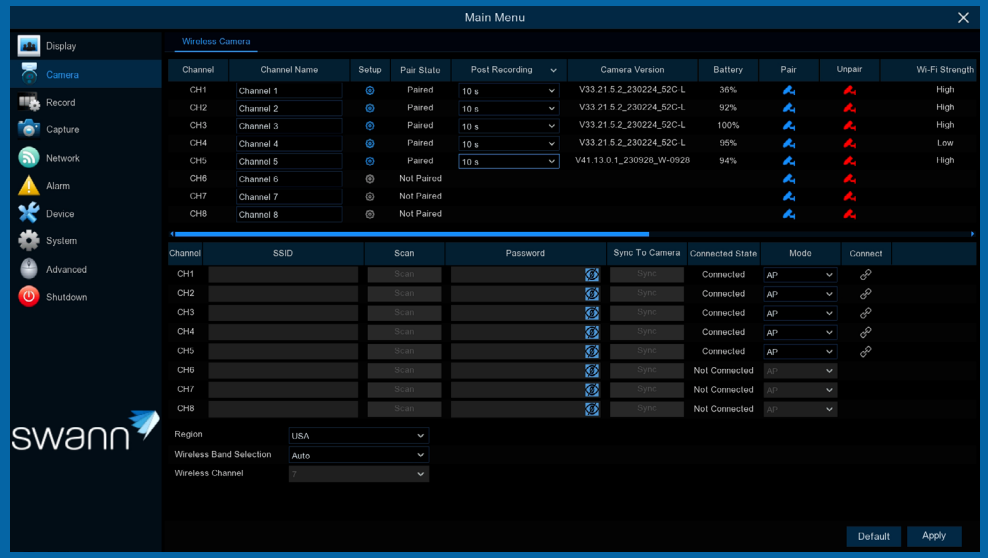
The warranty does not cover any incidental, accidental, or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility 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 your 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.

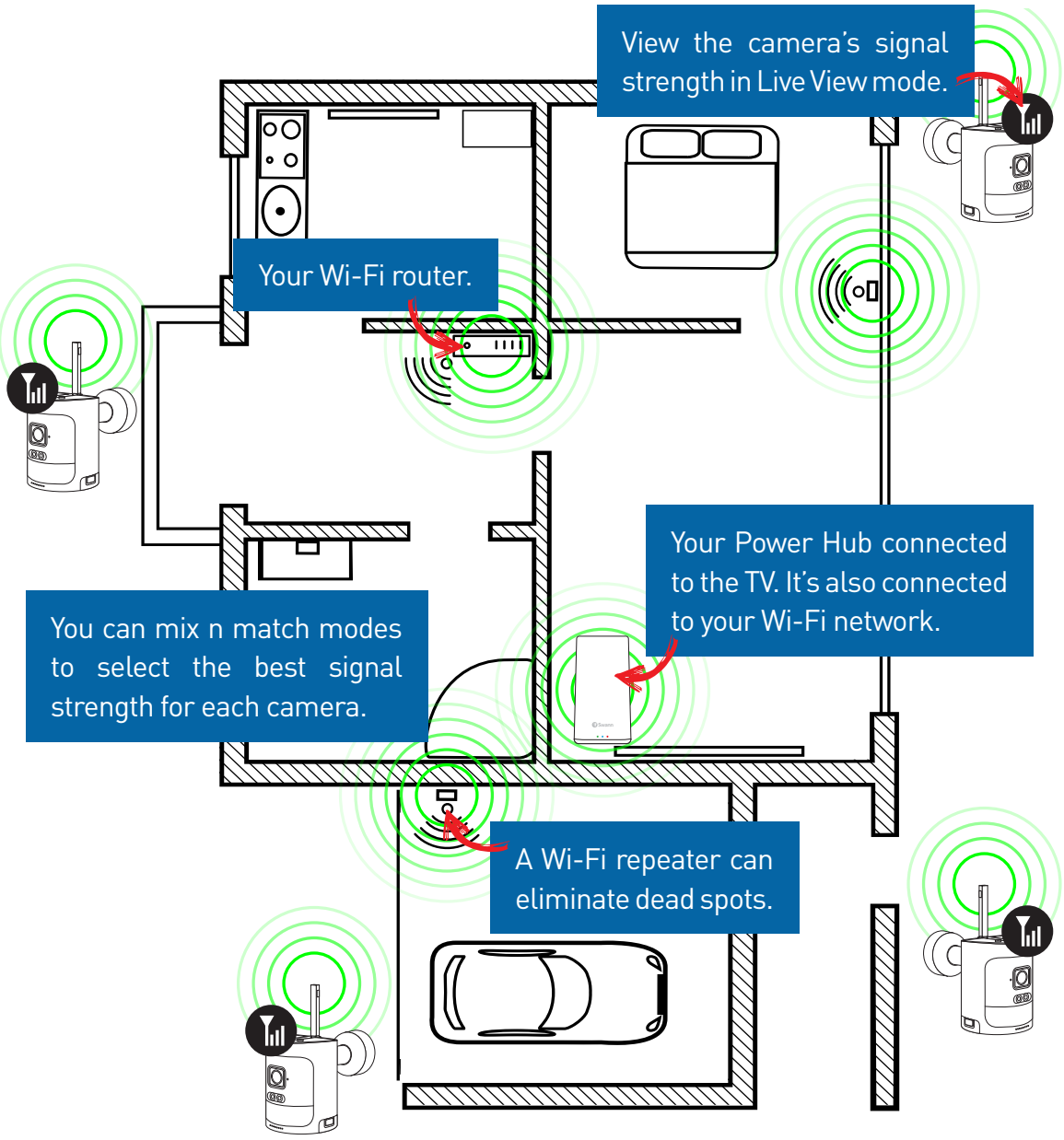
For Australia: Our goods come with guarantees which cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Camera Mode & Placement

The cameras provided with your Power Hub can operate in two different modes. The default mode is AP, where each camera connects to your Power Hub wirelessly. It does this by using Wi-Fi Direct (this allows two or more devices to establish a connection without needing a Wi-Fi access point or router). The other mode is Mesh. This allows each camera to connect to your Wi-Fi network independent of your Power Hub, giving you flexibility on where you can mount cameras without signal degradation. If you have a large house, you can install Wi-Fi extenders to provide better coverage over a larger space.



Camera Placement



The layout and size of your residence, Wi-Fi router location, and where your Power Hub will be installed all play a part in where your cameras are placed and which mode they will operate on.

Also, consider the infrastructure within the residence or if there are multiple stories and other surrounding Wi-Fi-type devices.

In medium and large size dwellings, there might be Wi-Fi dead spots where devices fail to find a Wi-Fi signal or the signal strength is extremely low. You can find these dead spots by walking around your house with your mobile device and looking at the bars indicating the signal strength.

This is typically caused by physical barriers such as a wall or large objects obstructing the Wi-Fi signal. By utilizing one or more Wi-Fi repeaters, you can eliminate these dead spots by extending the coverage of your Wi-Fi network.

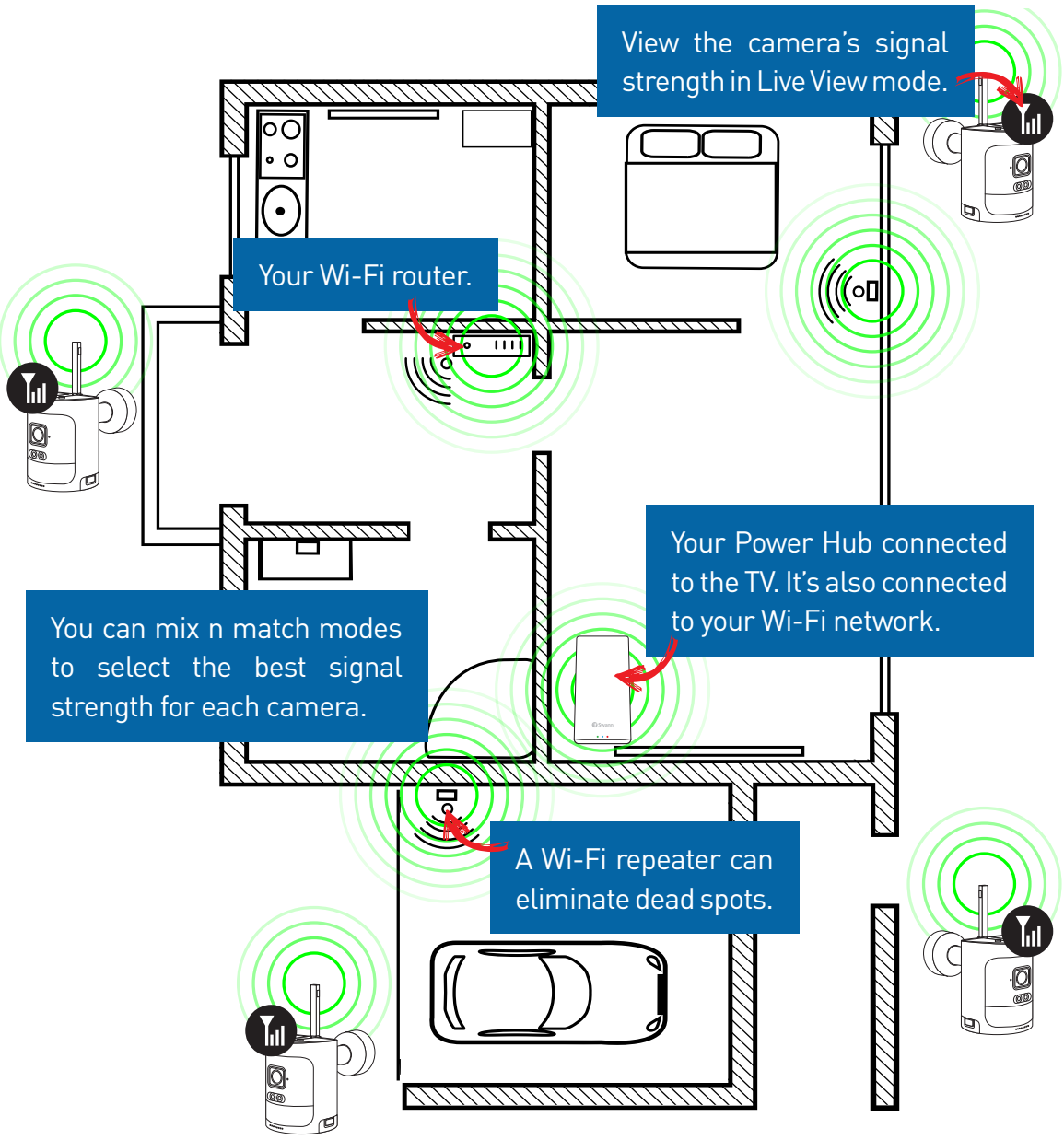
AP: This is the default mode the cameras connect to your Power Hub. This mode may restrict the distance on where the cameras can be placed due to the signal strength between your Power Hub and the camera.

Mesh: In this mode, the cameras are connected to your Wi-Fi network. This has the advantage of not being restricted to where your Power Hub is located and where the cameras can be placed.

When looking at the camera's signal strength in Live View mode, aim to have a minimum of three bars for a consistent connection. For example, if the camera has one or two bars in AP mode and three or more bars in Mesh mode, leave this in Mesh mode.

(continued on next page)

Camera Placement



1 The camera placed at the front door is connected via Mesh mode to the Wi-Fi router due to the strong signal strength.

2 The camera overlooking the backyard is connected via Mesh mode to the Wi-Fi extender located in the bedroom. It was discovered that the bedroom is a Wi-Fi dead spot, so a Wi-Fi extender has been installed to extend the coverage of the Wi-Fi network.

3 The camera overlooking the front entrance of the garage is connected via Mesh mode to the Wi-Fi router due to the strong signal strength. An additional Wi-Fi extender can be installed inside the garage to extend the coverage of the Wi-Fi network.

4 The camera placed at the rear entrance of the garage is connected via AP mode. As the camera is closer to the Power Hub than the Wi-Fi router, the signal strength is stronger in this mode than in Mesh mode.

The camera's Wi-Fi signal strength is determined by three strength levels:

At Medium and High strength, the camera will display and record at 2K or 4K (depending on your camera model). At Low strength, it will display and record at 720p. The signal strength will vary depending on which mode the cameras will operate on and the distance where the cameras will be placed.

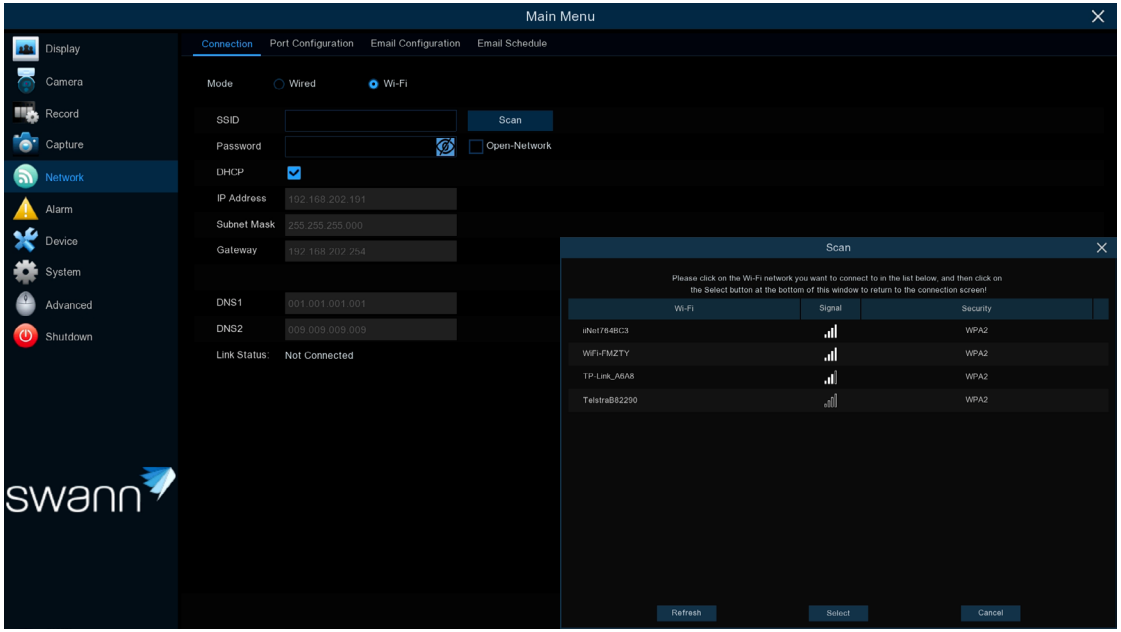
To connect your Power Hub to your Wi-Fi router, see page 9.

To connect cameras to Mesh mode, see page 10.

To see technical information about each camera, such as Wi-Fi signal strength and available streams, see page 11.

To change the wireless channel of your Power Hub, see page 12.

Network: Connection - Wi-Fi



Wi-Fi mode allows wireless communication from your Power Hub to the router for internet access. This allows the placing of your Power Hub in a different location without having to be physically connected to your router.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

1. Click the "Scan" button. After a short moment, a list of Wi-Fi access points that your Power Hub detects will be shown (see inset above). Click on your Wi-Fi access point, then click the "Select" button. Click the "Refresh" button if nothing appears.

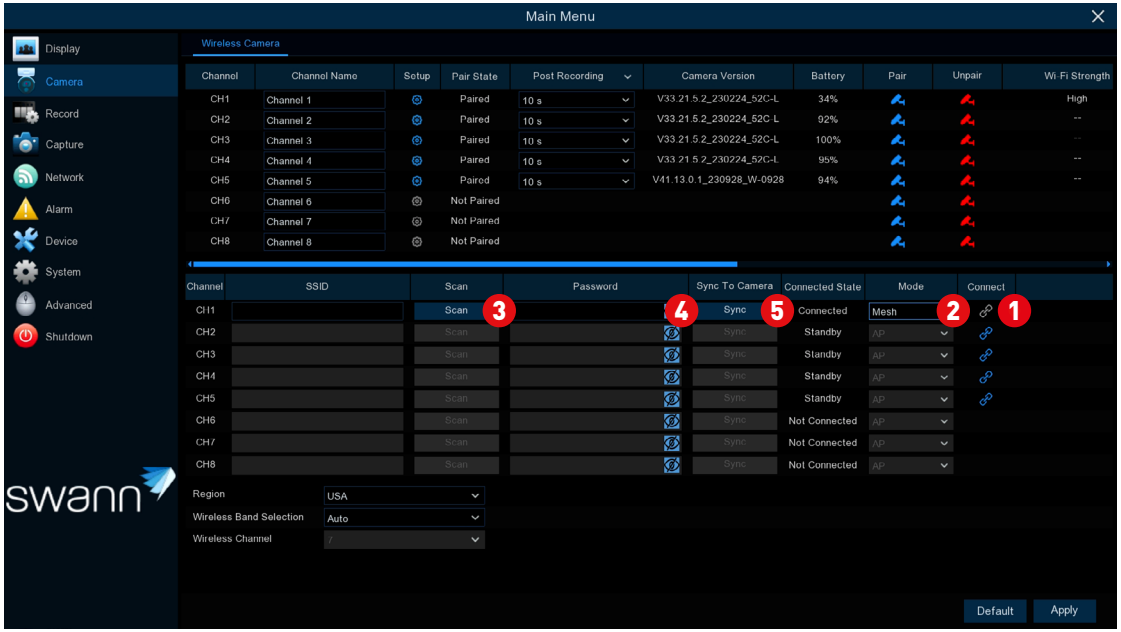
2. Input the password for your Wi-Fi access point, then click the "Apply" button. Make sure the password is correct before proceeding (click the eye icon to display the Wi-Fi password). Click "Open Network" if a password isn't required.

3. After a short moment, your Power Hub will connect to your Wi-Fi access point. Click "OK" to continue.

The Link Status will change to Connected, indicating a successful connection (if you see Not Connected, check that the Wi-Fi password is correct).

Click for contents

Camera: Wireless Camera - Mesh Mode



A mesh network is a group of networking devices that act as a single Wi-Fi network. This can provide better Wi-Fi coverage over a wider space. If you have a large house, additional Wi-Fi extenders can be added to provide better coverage over a wider space. As your cameras can operate in Mesh mode, this gives you greater flexibility on where each camera can be mounted without signal degradation.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Before proceeding, make sure your Power Hub is connected to your router using the provided Ethernet cable (Wired mode) or via Wi-Fi mode. For Wi-Fi connection instructions, see page 9.

1. Connect: Click this to wake up the camera (your Wi-Fi credentials will not sync if your camera is in standby mode).

2. Mode: Click the drop-down menu and select "Mesh".

3. Scan: c

The SSID field will be populated after selecting your Wi-Fi access point.

4. Password: Input the password for your Wi-Fi access point (click the eye icon to display the Wi-Fi password).

5. Sync: Click this to sync the Wi-Fi credentials to the camera. After a few moments, the camera will be connected to your Wi-Fi access point.

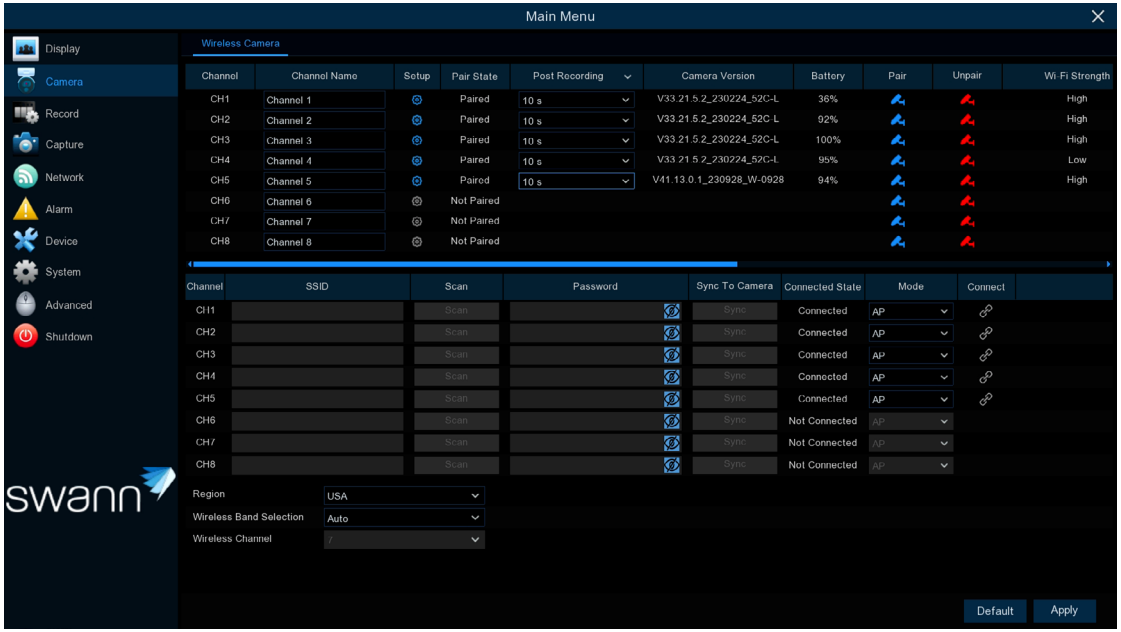
If the camera fails to connect to your Wi-Fi access point and is no longer paired to your Power Hub, change the mode back to "AP", click "Apply", then repair the camera to try again. See page 64 for pairing instructions.

Be aware that interruptions to your Wi-Fi network will also interrupt the camera's stream and recording.

If all your cameras are operating in Mesh mode, AP mode is disabled to minimise possible disruptions to surrounding Wi-Fi devices.

YouTube Click here to watch the tutorial video.

Camera: Wireless Camera



The functions here display technical and status information of the cameras paired to your Power Hub. You can also change the channel name, adjust image settings and change what mode the cameras will operate on.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Channel Name: Enter a name for the camera selected. It can be up to 16 characters in length.

Setup: Click the button to access the camera display settings (see page 13).

Pair State: Will state when a camera has been paired or not paired to that particular channel.

Post Recording: Determines how long your Power Hub will record when the camera has detected motion. It also determines how long you can view the camera in Live View mode. You can increase this but know that this will use more battery power.

Camera Version: Displays the camera's firmware version.

Pair: Click this to pair a camera, then follow the on-screen instructions.

Unpair: Click this to unpair the camera from that channel.

Wi-Fi Strength: Will display the camera's Wi-Fi signal strength (this may update if there are changes to the signal strength).

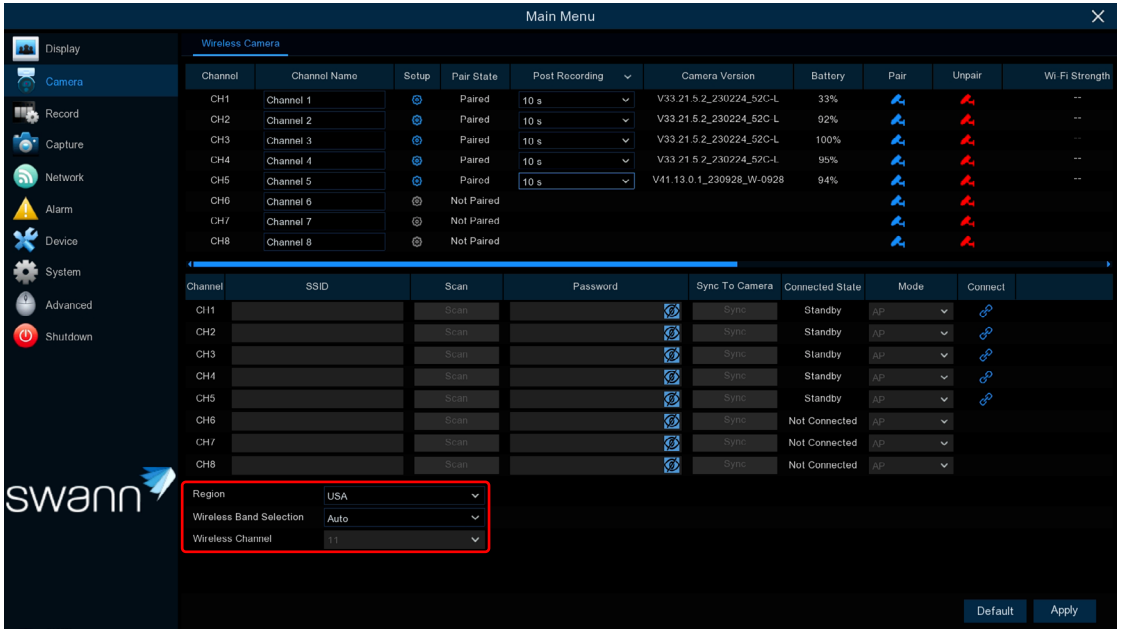
Available Stream: Displays the camera's display and recording resolution.

IP Address: Displays the camera's IP address.

MAC Address: Displays the camera's MAC address.

By default, the cameras pair wirelessly to your Power Hub using AP mode. Your Power Hub will assign an IP address to each camera. Depending on where your Power Hub will be located, this may restrict the distance on where the cameras can be mounted due to the signal strength between each device. For flexibility with camera placement, enable Mesh mode (see page 10).

Camera: Wireless Camera - Wireless Channel



When your Power Hub is connected to your router using the supplied Ethernet cable, you have the option of changing the wireless channel that the cameras communicate on when in AP mode to avoid signal interference.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

If the camera's signal strength is low, even at short distances, changing the wireless channel may improve the situation. Electronics such as cordless phones, garage door openers, microwaves, and the neighbors' Wi-Fi networks may use the same frequency range. Change the wireless channel to communicate on a different frequency to avoid interference.

Region: Click the drop-down menu and select your region.

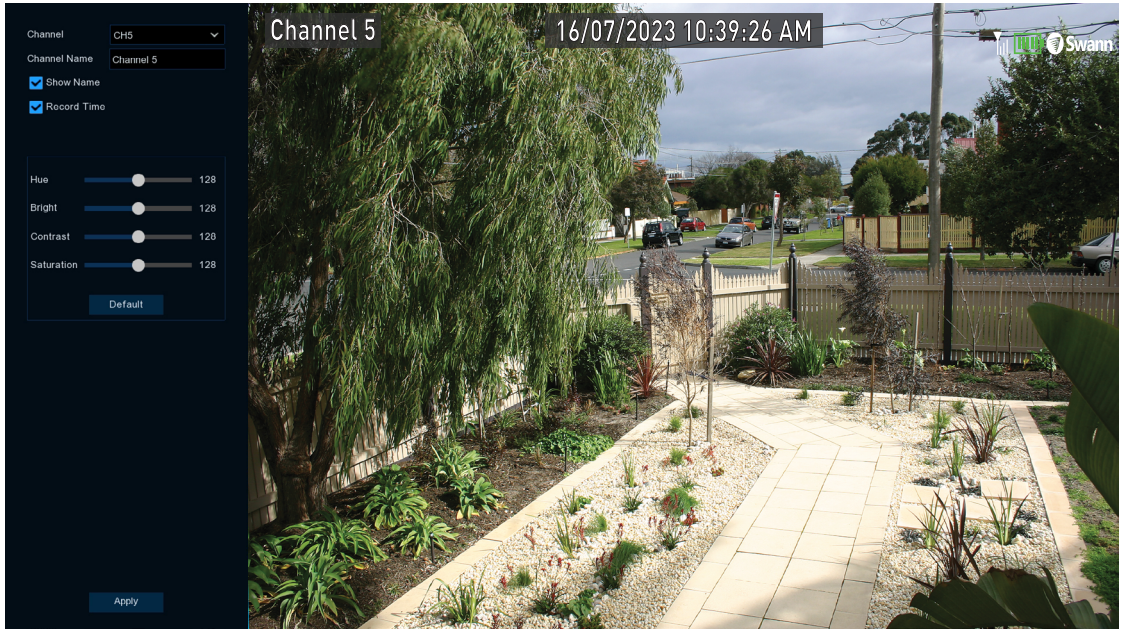
Wireless Band Selection: Click the drop-down menu and select "Manual".

Wireless Channel: Click the drop-down menu and select a different wireless channel. Click the "Apply" button to save.

Go to Live View mode and observe the camera's signal strength. Wait ten or so minutes to see if the signal strength has improved. If it stays the same or has worsened, try a different channel.

Click for contents

Camera: Wireless Camera - Setup



Channel: Select a camera that you would like to edit.

Channel Name: Enter a name for the camera selected. It can be up to 16 characters in length.

Show Name: Leave this enabled to display the camera name in Live View mode. Click the checkbox if you wish to disable it.

Record Time: Leave this enabled, as a timestamp is embedded on all video recordings. Click the checkbox if you wish to disable it.

Hue: This changes the color mix of the image.

Bright: This changes how light the image appears to be.

Contrast: The difference in luminance that makes an object distinguishable.

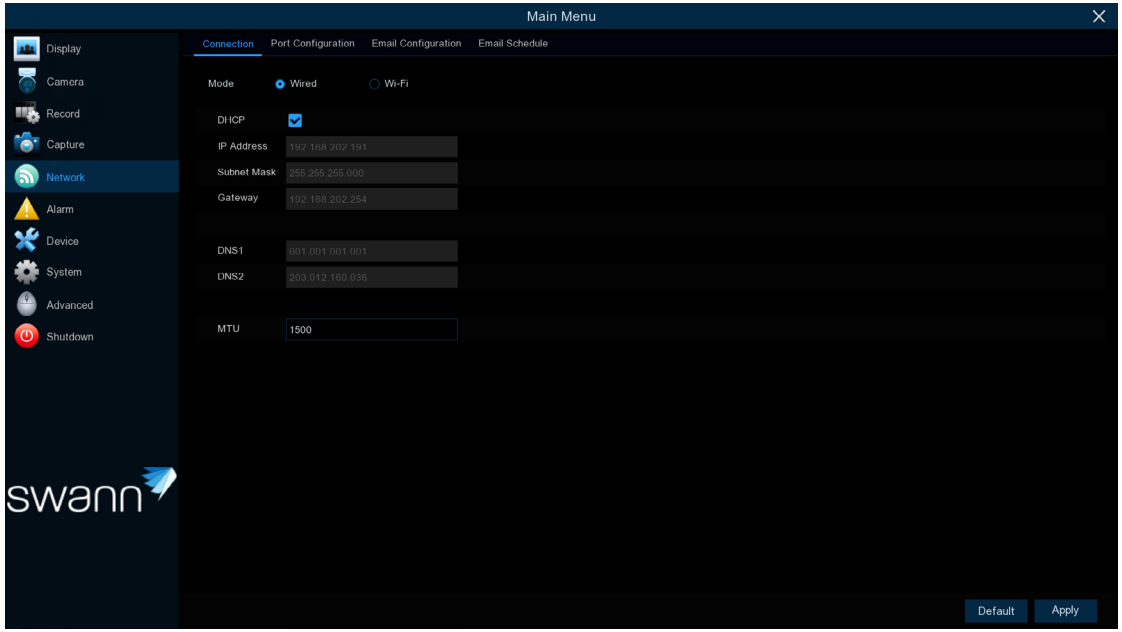
Saturation: This alters how vivid the color is in the image.

Use the slider to adjust each setting. When finished, click the "Apply" button, then click "OK". Right-click the mouse to exit.

Any changes made to the display settings available will affect your recordings.

Click for contents

Network: Connection - Wired



As SwannLink Peer-to-Peer technology is utilized to communicate with your network and mobile device, a configuration of the network settings is not required. If you have networking expertise and require specific settings, for example, you want to use a fixed IP address for your devices or you want to use a specific DNS, you do have the ability to change them.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Mode: There are two ways your Power Hub can connect to your home network, wired or Wi-Fi. If your Power Hub is connected to your router using an Ethernet cable, leave this on Wired. For Wi-Fi connection instructions, see page 9.

DHCP (Dynamic Host Configuration Protocol): Your router will automatically assign an IP address to each device connected to your network. This is enabled by default and is the recommended method of connection.

If you are disabling DHCP, the following five options can be changed (this is for advanced users only):

IP Address: Each device on your network must have a unique IP address. A typical address might be "192.168.1.24" or something similar.

Subnet Mask: This allows the flow of network traffic between hosts to be segregated based on a network configuration. A typical address might be "255.255.255.0" or something similar.

Gateway: This allows your Power Hub to connect to the internet. This is typically the same IP address as your router.

DNS (Domain Name System)1/2: Input the DNS settings for your internet service provider.

MTU (Maximum Transmission Unit): This dictates the maximum size for any packet of data sent from a device over a network. If you find that your internet connection speed when viewing your cameras on your mobile device isn't as fast as expected, changing the MTU size may improve this situation. We recommend clicking this link, which explains how to find the best MTU size for your home network and connected devices.

Click for contents

Mode Frequently Asked Questions

AP mode, Mesh mode, which one do I choose?

By default, all the cameras will connect to your Power Hub using AP mode. Changing the mode is entirely dependant on where the cameras are mounted and the signal strength to your Power Hub. Please try the following:

1. Start with one camera. Move the camera to the location that it will be mounted.

2. In Live View mode, look at the camera's signal strength. If it has two or more bars consistently, leave the camera in AP mode.

3. If the signal strength is at one bar or it's changing from one bar to two bars, you have a couple of options:

- → If your Power Hub is connected to your router using the supplied Ethernet cable, you have the option of changing the wireless channel that the cameras communicate on to avoid signal interference. See page 14 on how to do this.
- → Change the camera's mode from AP to Mesh. This will connect the camera to your Wi-Fi network independent of your Power Hub, thus giving you flexibility on where the camera will be mounted. See page 10 on how to do this.

Aim to have a consistent signal strength of two or more bars, regardless of which mode the cameras are connected to your Power Hub. This ensures that your Power Hub records all events detected by the cameras.

I'm having issues with my Wi-Fi network. Will this affect the cameras?

Cameras running in AP mode won't be affected. Cameras running in Mesh mode will be. If the cameras fail to display in Live View mode, this would indicate that they have disconnected from your Wi-Fi network. It also applies to your Power Hub if it's connected to your network via Wi-Fi mode (see page 9). It could be due to interference with surrounding Wi-Fi devices, or your Wi-Fi access point may be at fault.

I've tried connecting the camera to Mesh mode, but it fails to appear in Live View mode. What can I do?

This is most likely because the password entered to connect to your Wi-Fi access point is incorrect. Change the mode back to "AP", click "Apply", then repair the camera to your Power Hub (see page 64) and try again.

Do I need to connect my Power Hub to my Wi-Fi network to use Mesh mode?

Yes, you do. You can connect your Power Hub using Wired mode with the supplied Ethernet cable (see page 14). Or Wi-Fi mode if your Power Hub is in a different location from your router or Wi-Fi access point (see page 9).

I have a large house, and I use a Wi-Fi repeater to increase the coverage of my Wi-Fi. Can I connect the cameras to this?

The cameras can connect to your Wi-Fi repeater in Mesh mode. When scanning for your Wi-Fi access point, the repeater can also be selected (see page 10).

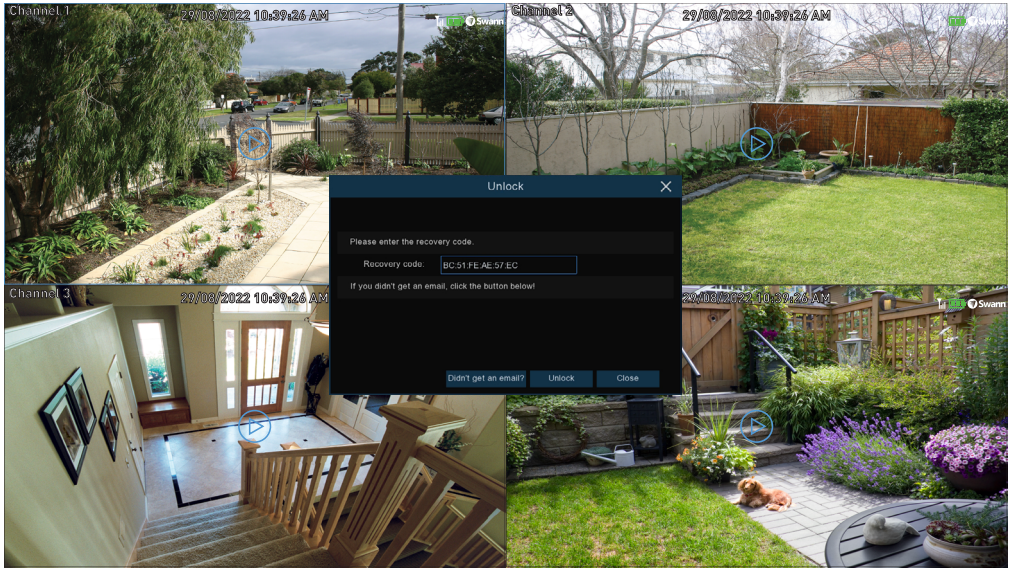
I have an Orbi, Google Nest, Eero, or other Mesh-type Wi-Fi. Can I connect my cameras to this?

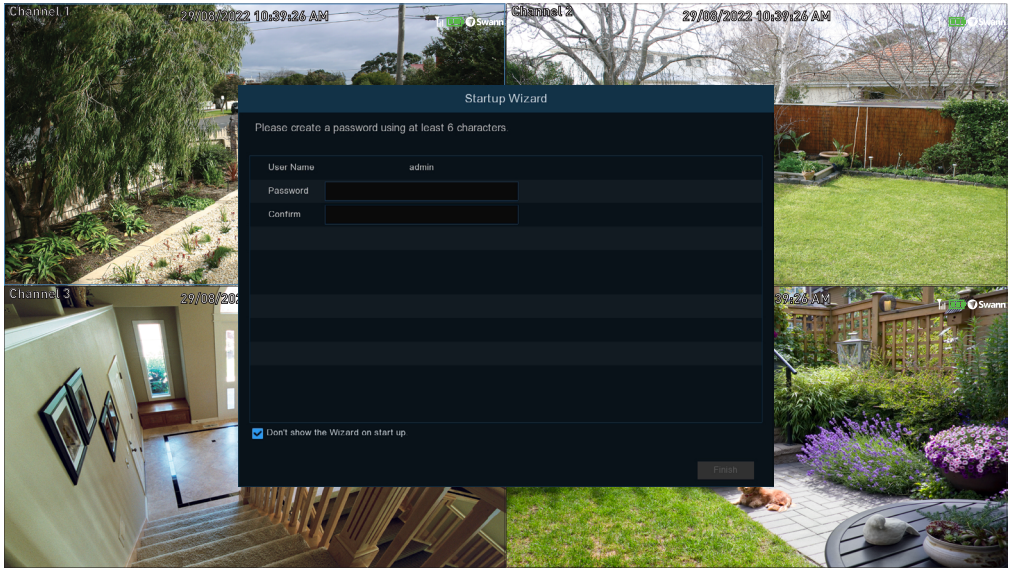
The cameras can connect to your Mesh system in the same way as they connect to any Wi-Fi network or Wi-Fi repeater. Just choose the Wi-Fi network from the list after you scan (see page 10).

Why can't I change my Power Hub's wireless channel?

Your Power Hub must be connected to your router using the supplied Ethernet cable and be running in Wired mode (see page 14).

Password Reset





There are two methods available to reset your Power Hub's password - using the MAC address of your Power Hub sent to your email or by pressing and holding down your Power Hub's reset button. Please try this first -

1. Right-click the mouse on the Live View screen to display the Menu Bar, click the "Start" button (bottom left on the Menu Bar) then click "Setup".

2. At the password login screen click "Forgot Password" then click "Yes".

3. After a short moment, you will receive a password reset request email containing your Power Hub's MAC address. If it is not in your inbox, check your junk or spam folder.

4. Input the MAC address (known as the password recovery code) including the colons (see top left example) then click "Unlock".

5. A message will appear on-screen stating that your password has been reset. Click "OK" to continue.

6. Enter a new password. The password has to be a minimum of six characters and can contain a mixture of numbers and letters.

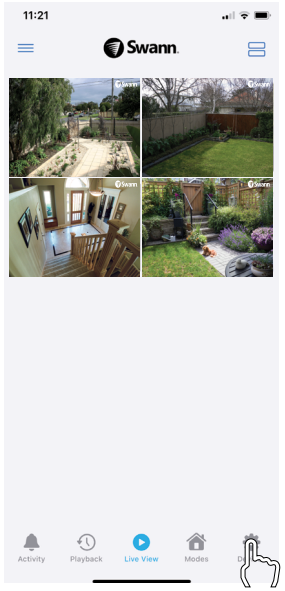
7. Write down your password for safe keeping.

8. Click "Finish" to continue, then click "OK" to close.

YouTube Click here to watch the tutorial video.

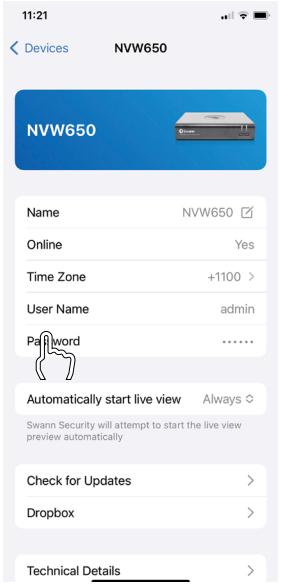
If you're not receiving an email to reset your password, your Power Hub has a reset button to do a factory reset. For security reasons to stop malicious access, restoring your Power Hub will reset all saved changes to the settings available, **and** the storage device will be formatted as well, removing any saved events (see page 63 - Restoring your Power Hub).

Password Access using Swann Security



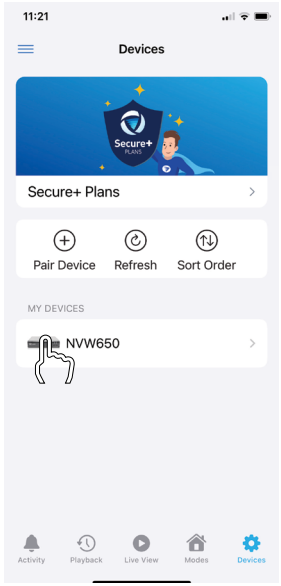
You can find your Power Hub's password associated with your Swann Security account using the Swann Security app on your Android or iOS device (iOS screenshots shown).

1. In Live View mode tap the Devices button (cog icon).



3. Tap the Password field. This will trigger a security challenge on your mobile device. Depending on your device, you'll be prompted to use your device's biometrics, or to enter your Swann Security account password.

Your Power Hub's password will be displayed.



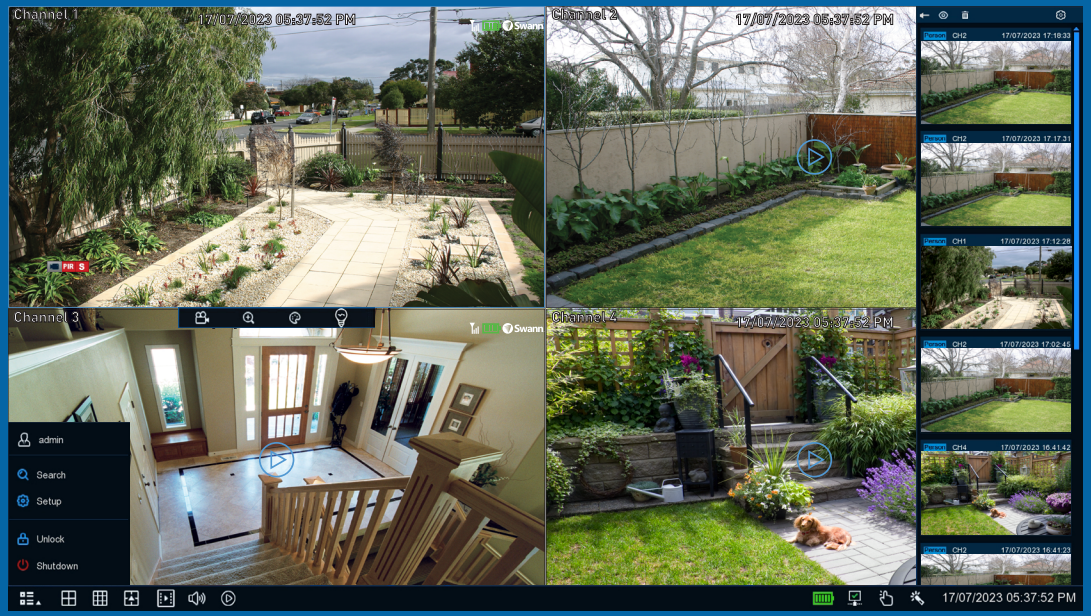
2. Tap your device (if you have multiple devices, tap the particular device to access the password).

YouTube Click here to watch the tutorial video.

Click for contents

Live View

Live View is the default display mode for your Power Hub. Each camera connected will be displayed on-screen. You can check the status or operation of your Power Hub and cameras using the icons and Menu Bar on the Live View screen. Right-click the mouse to access the Menu Bar.



Live View Mode

Live View mode is the default display for your Power Hub. Each camera connected will be displayed (multiple view modes available). You can check the operation of your Power Hub by using the status icons on the Live View screen. The date and time, as well as the name of each camera, are also displayed.

Click and drag a live video channel to reposition it.

Right-click the mouse in Live View mode to display the Menu Bar (see page 20 for information).

The Camera Toolbar provides access to image settings, zoom and other functions (see page 20 for information).

Live View Controls

Menu Bar

1. Click to reveal additional functions available (see dialogue box below).

2. When viewing a single camera, click this to revert to four camera view.

3. Click to revert to eight camera view.

4. Click to select from one of the multi-screen viewing modes available.

5. Click to access the Search menu to play previously recorded videos.

6. Click to change the volume or to mute (click the speaker icon to mute).

7. Click to wake up all the cameras. A live view will display for 30 seconds.

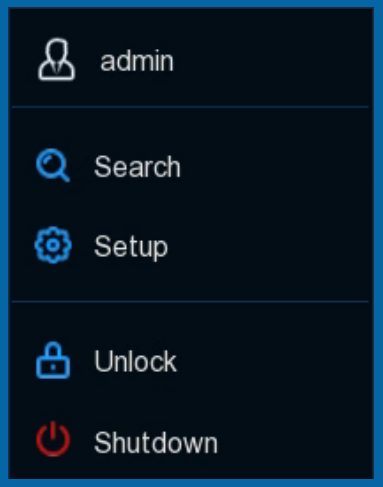
8. Displays the level of the battery inserted into the rear of your Power Hub.

9. Indicates that your Power Hub is connected to your home network either using the supplied Ethernet cable or via Wi-Fi.

10. Click to enter Manual Record mode. When enabled, this will bypass the current recording schedule. To stop recording, click the camera button on the Camera Toolbar.

11. Click this to enter the Startup Wizard.

Main Menu



Search: Click to search and play recorded videos, view snapshots, and access system log files.

Setup: Click to access the Main Menu.

Unlock: Click to unlock your Power Hub. If the Menu Timeouts function is disabled, click to lock your Power Hub to prevent access.

Shutdown: Click to shutdown, reboot, or logout of your Power Hub. Always shutdown when disconnecting the power.

Camera Toolbar

To access the camera's toolbar, wake up the camera first, then left-click to display.

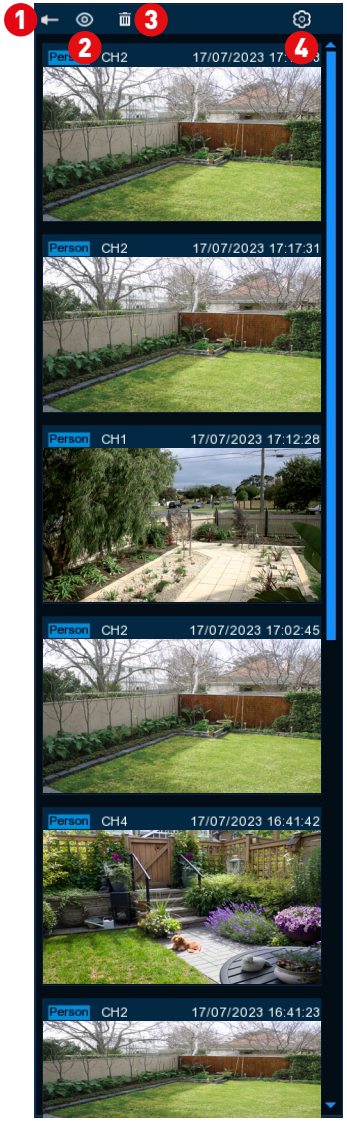
1. Click to start a manual recording (will turn red, indicating that it is recording). Click again to stop.

2. Click to enter Zoom mode.

3. Click to adjust image settings.

4. Click to enable the camera's siren and spotlight.

Live View Controls



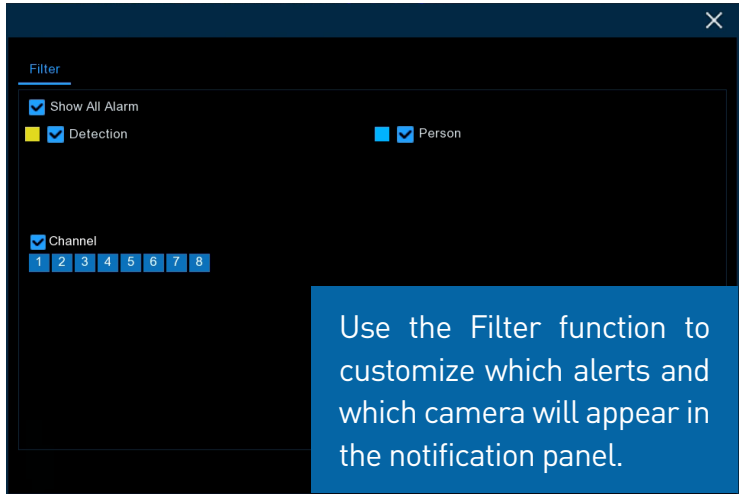
The Event Notification Panel displays a thumbnail of an event that has occurred via human-sized object detection or motion detection. Events are color-coded according to the event type. Use the mouse scroll wheel to scroll up and down (place the mouse cursor over the notification panel first). Click the play button over the thumbnail to play the event.

1. Click to display the notification panel at all times.

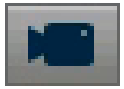
2. Click to hide the notification panel.

3. Click to clear all notifications.

4. Click to reveal the Filter function.



Status Icons



The camera is being recorded (either manually or by motion).

Your Power Hub is detecting motion from the camera (PIR and Motion mode).

The camera has detected one or more infrared objects (see page 32).

The camera has detected a human-sized object (PIR and Person mode).

Indicates that your Power Hub fails to detect a storage device.

Indicates that your Power Hub detects a storage device, but it needs to be formatted.

Indicates that the camera's battery power is between 50 and 100%.

Indicates that the camera's battery power is between 20 and 50%.

Indicates that the camera's battery power is below 20%.

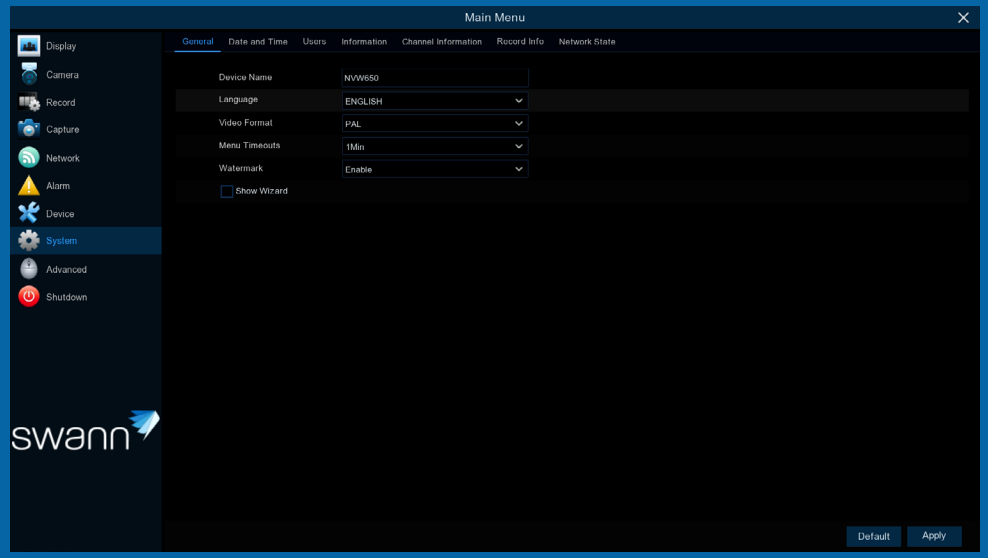
Live View Digital Zoom Mode

1. To enter Zoom mode, left-click a camera in Live View mode, then click the "Zoom" button on the Camera Toolbar (as shown on the left).

2. To zoom, move the mouse to the area or object that you want to zoom to, then use the scroll wheel on the mouse to zoom in or out. When zoomed in, click and hold the rectangle (as shown bottom right of the screen) to scroll around the image. Right-click to exit.

Main Menu

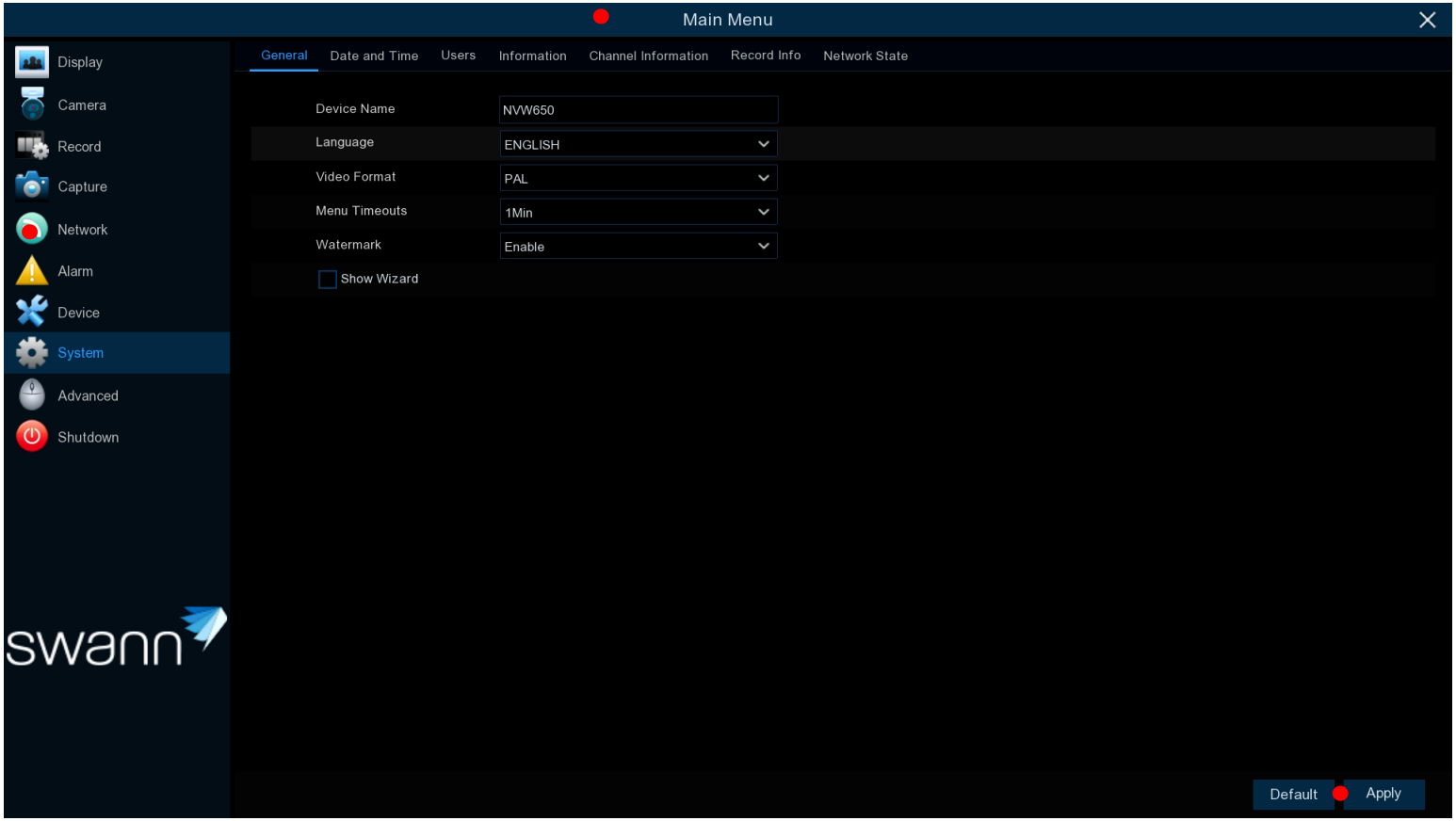
The Main Menu is where you control the various actions and options available on your Power Hub. Functions such as adjusting the motion detection area and changing the recording schedule. You can also enable Cloud Storage to copy snapshots and video to the cloud when events occur. To maintain system integrity, a firmware upgrade can be performed when available.



Menu Layout

The various functions and options available, are categorized on the left-hand side of the Menu.

Clicking each category will reveal several tabs or sub-categories that can be changed from their default setting.

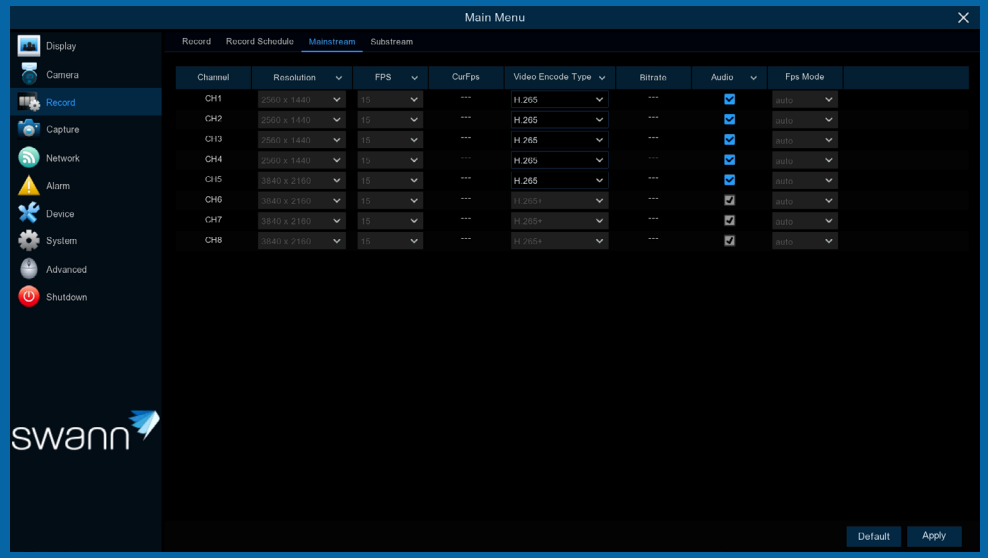


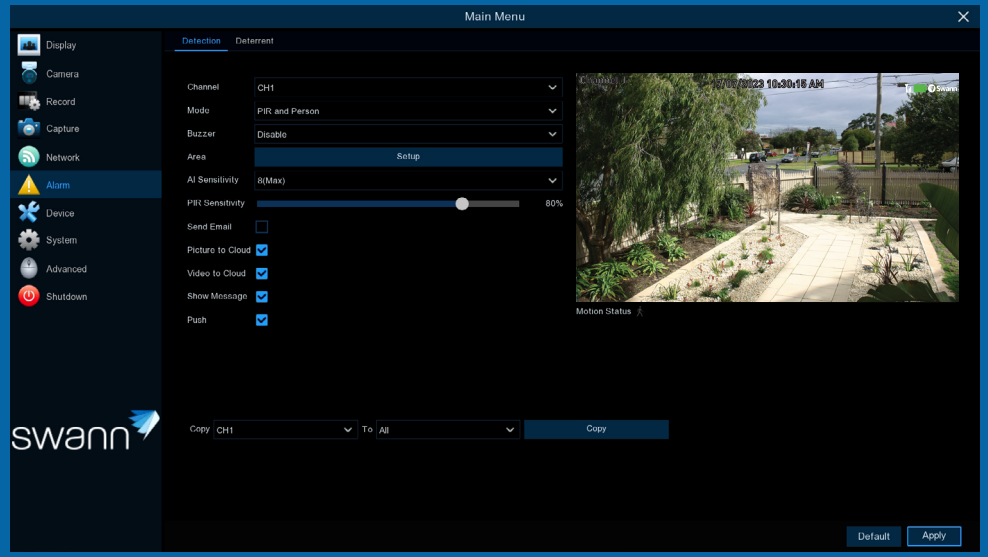
To exit or access the previous menu, right-click the mouse.

Save changes that have been made or restore default settings.

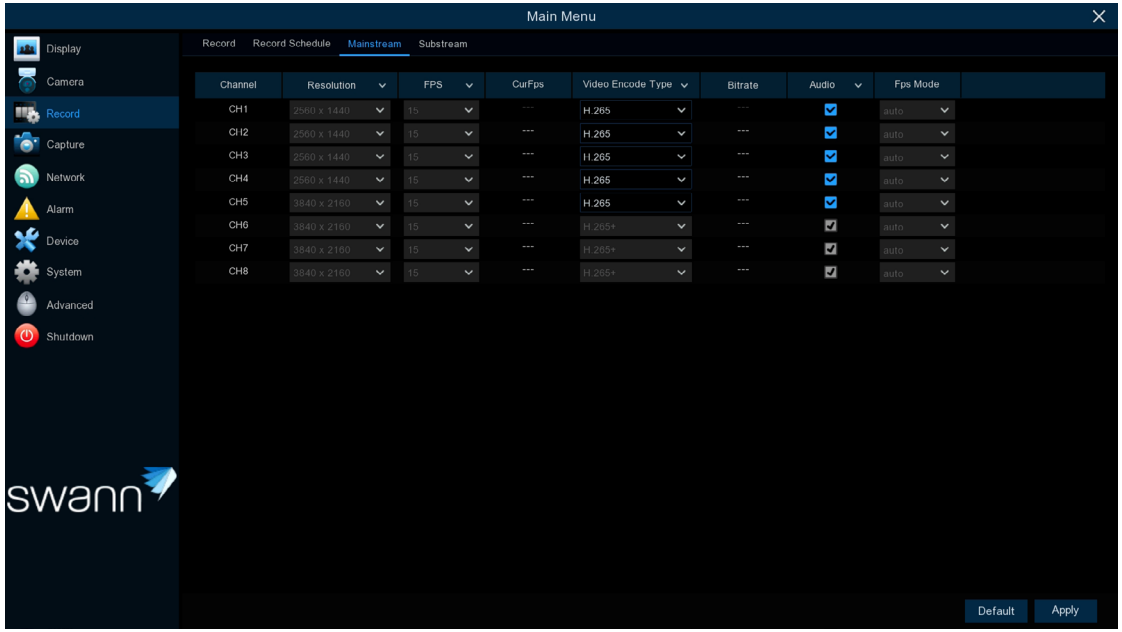
Camera Configuration

The camera configuration options are available in the Record and Alarm menus, accessible from the Main Menu. Your Power Hub has controls for detecting motion, allowing you to define specific areas to alert you to a potential threat in and around your home. You can also create a schedule for the camera's sensor warning light and siren and enable or disable the built-in microphone.





Record: Mainstream



When streaming live video, the overall quality is dependent on your internet connection and the camera's signal strength. Wi-Fi signal strength is also a crucial element to remember when streaming multiple cameras at the same time.

→ Click "Default" to revert to default settings.

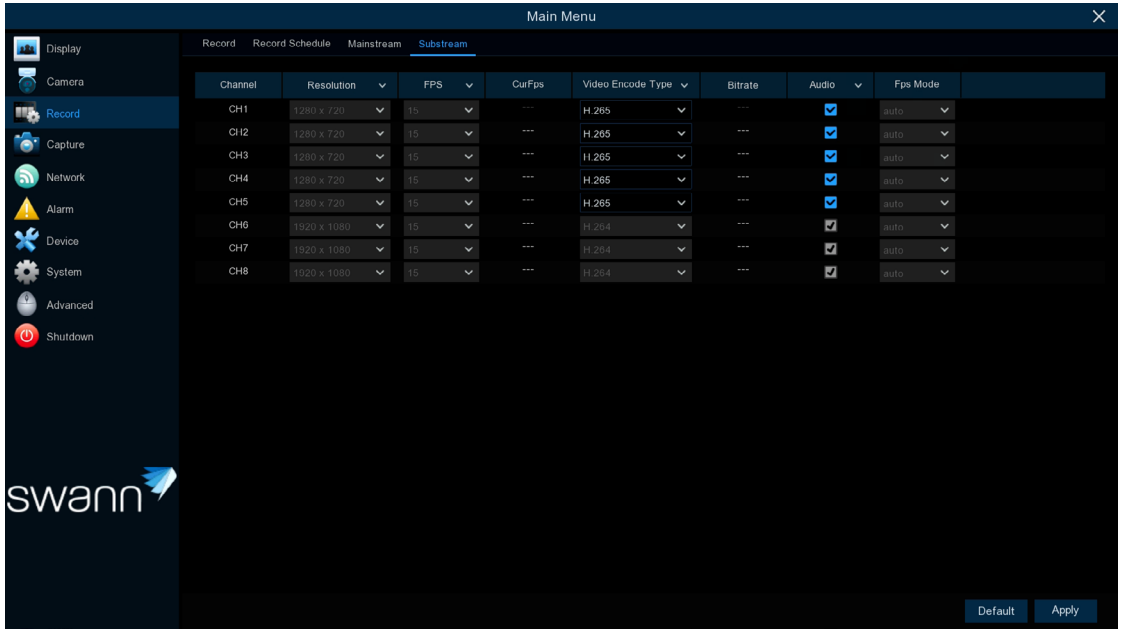
→ Click "Apply" to save settings.

The resolution and frames per second are automatically set to match the signal strength of the connection between the camera and your Power Hub.

Video Encode Type: Your Power Hub utilizes two codecs to record video. The default codec is H.265. This will compress the information more efficiently and provide the best video quality for a given bandwidth between each camera and your Power Hub. This setting allows your Power Hub to automatically adjust the video so that the connection and quality are consistent and reliable. The other codec is H.264. This isn't recommended, as it will impact the reliability of the connection between each camera and your Power Hub due to the higher bandwidth required.

Audio: By default, your Power Hub will record audio using the camera's built-in microphone. Click the checkbox if you would like to disable this.

Record: Substream



When streaming live video, the overall quality is dependent on your internet connection and the camera's signal strength. Wi-Fi signal strength is also a crucial element to remember when streaming multiple cameras at the same time.

→ Click "Default" to revert to default settings.

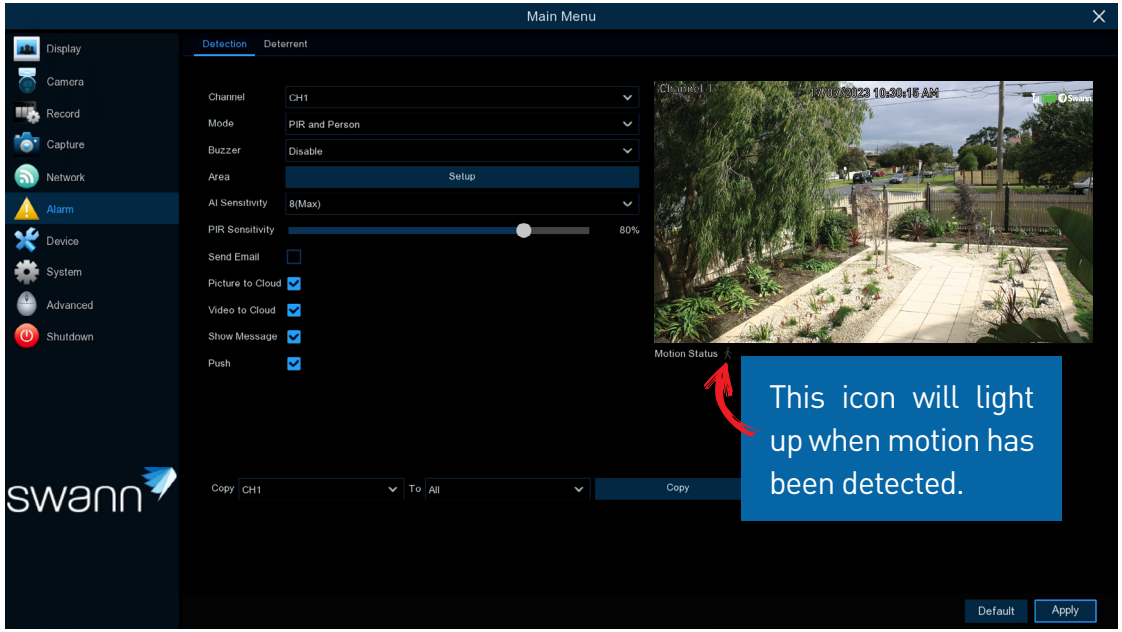
→ Click "Apply" to save settings.

The resolution and frames per second are automatically set to match the signal strength of the connection between the camera and your Power Hub.

Video Encode Type: Your Power Hub utilizes two codecs to record video. The default codec is H.265. This will compress the information more efficiently and provide the best video quality for a given bandwidth between each camera and your Power Hub. This setting allows your Power Hub to automatically adjust the video so that the connection and quality are consistent and reliable. The other codec is H.264. This isn't recommended, as it will impact the reliability of the connection between each camera and your Power Hub due to the higher bandwidth required.

Audio: By default, your Power Hub will record audio using the camera's built-in microphone. Click the checkbox if you would like to disable this.

Alarm: Detection



This icon will light up when motion has been detected.

When human-sized objects have been detected by one or more cameras, your Power Hub will alert you to a potential threat. It does this by sending you an email alert and or sending push notifications via the Swann Security app. You also have the option of sending a snapshot and or a video clip to the cloud.

- → Use the "Copy" function to apply all settings to the other cameras connected.
- → Click "Default" to revert to default settings.
- → Click "Apply" to save settings.

Channel: Select a camera that you would like to edit.

Mode: By default, your Power Hub will record motion only if one or more human-sized objects have been detected by the camera **and** the camera's built-in PIR sensor. This provides more accurate motion detection by reducing false triggers due to wind, leaves falling, and rain (see page 32 - Thermal-Sensing Tips). PIR and Motion isn't recommended as it sends you unnecessary motion notifications and will consume battery power at a higher rate.

Buzzer: When human-sized objects have been detected, you can enable the Power Hub's buzzer to alert you for a predetermined time. Click the drop-down menu to select a time.

Area Setup: Click the button to change the default motion detection area. The entire view of the camera is enabled for motion detection however, you can select certain areas if you wish (see page 30 - Motion Detection Setup).

AI Sensitivity: This option allows you to change how sensitive the Power Hub's ability to detect human-sized objects is at a certain distance.

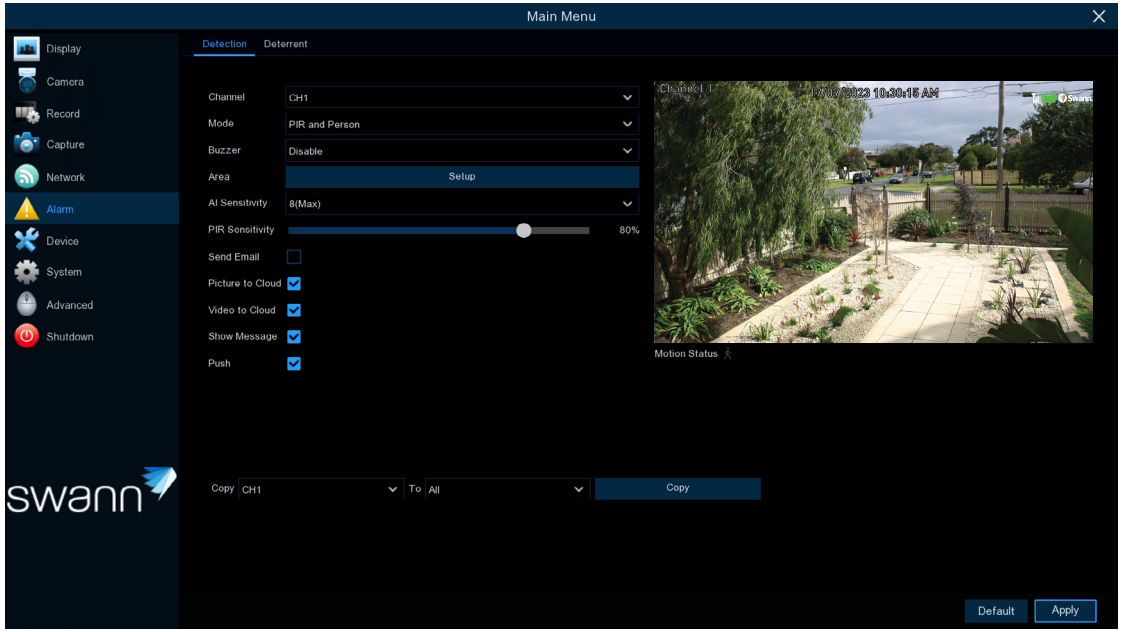
PIR Sensitivity: This option allows you to change the PIR sensitivity level. The higher the number, the more sensitive the PIR will be.

For AI Sensitivity and PIR Sensitivity, the default setting will suit most scenarios, but some experimentation may be required to get the optimal setting on where the camera is mounted (see page 31 - Motion Detection Tips).

Also, look at the camera location tips (see page 33).

(continued on next page)

Alarm: Detection



- Use the "Copy" function to apply all settings to the other cameras connected.
- Click "Default" to revert to default settings.
- Click "Apply" to save settings.

Send Email: Click the checkbox to enable your Power Hub to send an email alert when motion has been detected.

Picture to Cloud (PIR and Person only): By default, snapshots are copied to the cloud. Click the checkbox if you want to disable this.

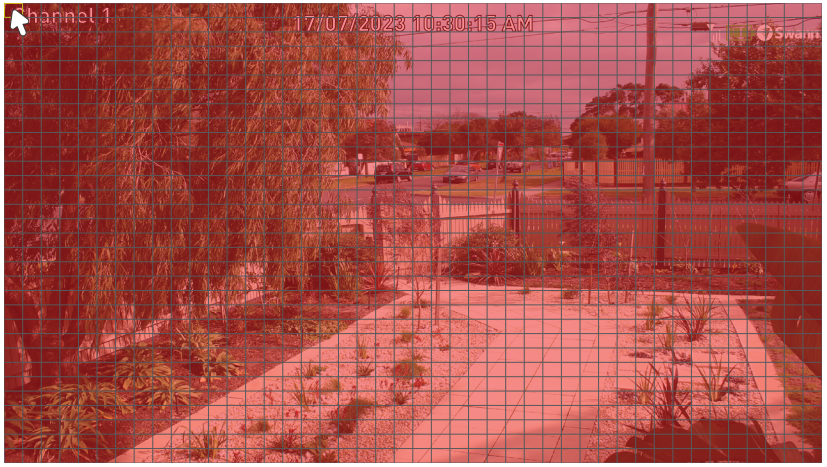
Video to Cloud (PIR and Person only): By default, videos are copied to the cloud. Click the checkbox if you want to disable this.

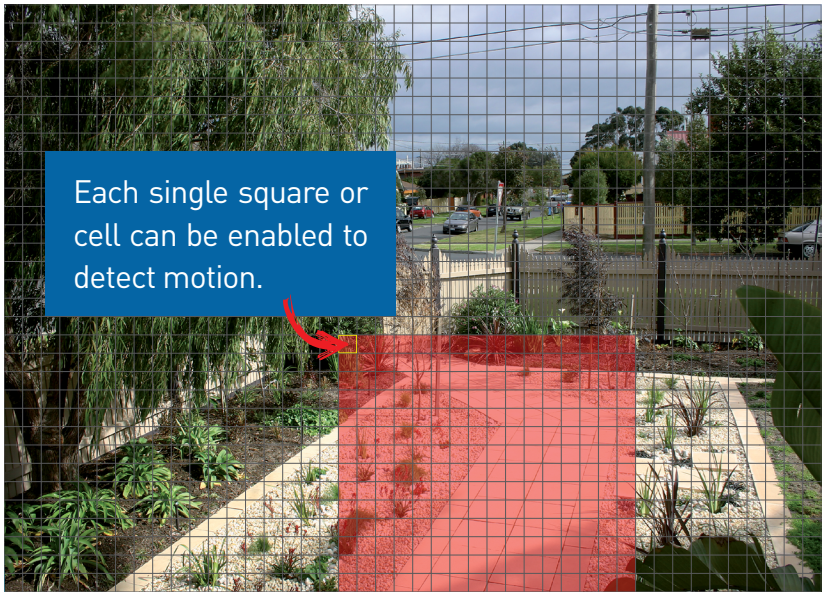
Show Message: When motion has been detected, the motion icon will appear on-screen. Click the checkbox if you want to disable this.

Push: Push notifications are automatically sent via the Swann Security app. Click the checkbox if you want to disable this.

If you have a Secure+ Plan in the Swann Security app, your snapshots and videos are automatically uploaded to the cloud. The "Picture to Cloud" and "Video to Cloud" options are greyed out and can't be disabled. You can view these files on your mobile device through the Swann Security app. If you can't find them, use the Search function on your Power Hub. Subscribers don't need a Dropbox account. Non-subscribers can access their snapshots and videos through Dropbox.

Motion Detection Setup





1. To remove the default motion detection area, move the mouse to the top left-hand corner (as shown on the left), then click and drag to the bottom right-hand corner.

2. To create a new motion detection area, press and hold the left mouse button to select the cell or square that you want to start at, then click and drag to select the area that you want to create. Release the mouse to finish.

3. Multiple areas can be created. Each cell or square can be enabled to detect motion. The same action also applies to delete an area that has been created.

In the example provided, a motion detection area has been created for the front yard but excludes objects such as trees as well as cars and pedestrians adjacent to the front yard of the house. Anyone who walks along the path via the front entrance and approaches the front door will be detected.

Movement outside of the motion detection areas will not be detected, so will not trigger recordings or event notifications.

4. Right-click the mouse to exit.

5. Click "Apply" to save changes made.

YouTube Click here to watch the tutorial video.

Motion Detection Tips

Placement of the cameras

1. Place cameras so they are facing areas where people must walk through to approach your home regardless of where they are headed. A good idea is to place a camera overlooking your front door to capture an image of anyone approaching it for later reference. This is great if you have parcels delivered to your door or if the potential burglar knocks or rings the doorbell to see if anyone is home.

2. Walk around your house and assess where intruders are most likely to approach to enter and what path they would take. Most burglars enter the home through a front or back door, so it's advisable to place the cameras near those areas so that you get the best amount of detail of anyone who approaches.

3. When installing cameras outside, it's important to keep your front and backyard as well-lit as possible for ideal night vision and the ability to detect motion. It's common for intruders to enter a home through an unlocked garage or by using a garage door opener in an unlocked car located in the driveway. Positioning your cameras to overlook cars in the driveway and similar locations can be very useful.

Avoiding False Triggers

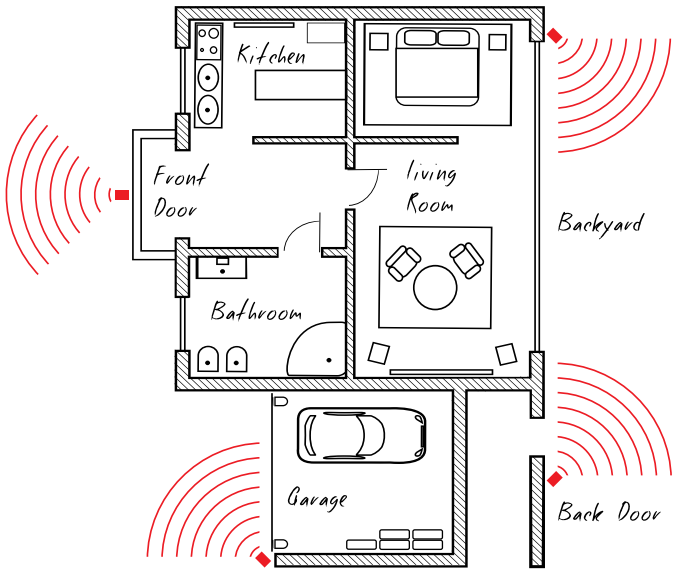
1. A tree, shrub, or foliage that is blown by the wind - angle the camera so wind-blown objects are out of the camera's view or use the camera motion detection area settings to exclude these areas from detection.

2. People moving along sidewalks or streets close to your home, aim your cameras and use the motion detection area settings to ensure only legitimate threats are triggering events.

3. Vehicles moving in the background - angle the camera to avoid movement in the background or use the motion detection area settings to stop the detection of cars in the street.

4. Movement or light reflected off smooth surfaces such as glass - adjust the sensitivity level and or avoid pointing the camera directly at glass surfaces.

5. Windows will also reflect infrared if the cameras are looking through them.



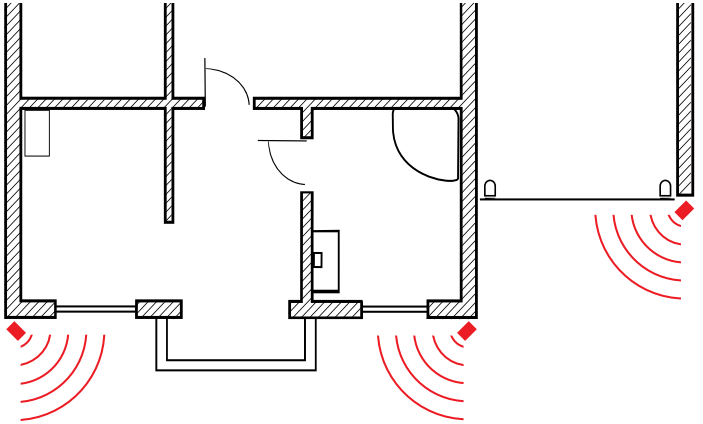
As illustrated above, place your cameras close to the front door, back door, garage entrance and overlooking the backyard. This will give you the greatest possible coverage to the entrances and exits of your residence.

Click for contents

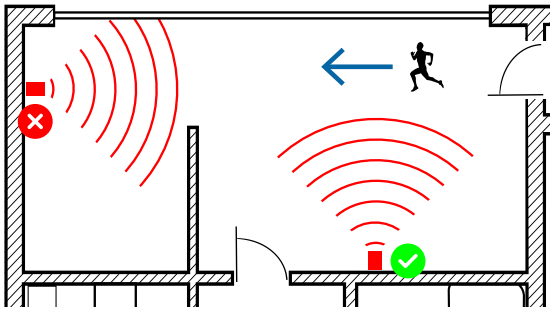
Thermal-Sensing Tips

Your cameras have a built-in PIR (passive infrared motion detector) sensor. This means they can sense the movement of infrared objects, including people, cars, and animals. The advantage over cameras that don't have a PIR sensor is they're resistant to false triggers from changes in the image.

- PIR sensors work best when an intruder walks parallel or is passing across their "field of view" as opposed to walking directly at them. For example, in a hallway or path around the house, you tend to walk parallel to the walls, not directly toward them. Position your cameras so that anyone approaching your home will cross the camera's view and trigger an event.
- For a recording to occur, the PIR must sense an infrared object moving in front of it, **and** the camera's image sensor must detect movement in the image. If either of these triggers has not occurred, no video will be recorded.
- When the PIR is triggered, the PIR icon (red box) will appear on-screen. For PIR and Person, the S icon will appear next to the PIR icon. If PIR and Motion is selected, the "running man" icon will be shown next to the PIR icon.
- The PIR can detect objects outside the camera's field of view, so not everything that triggers the sensor will be visible on your camera.
- The PIR can reliably detect movement up to 26 ft/8 m, movement beyond this range may or may not be detected.
- Be aware that changes in the temperature of paths, roads, for example, can cause some minor false alerts to occur when there is also movement in the image, such as trees and shadows.
- If some false triggering is occurring, use the motion area setup to remove moving objects from being detected and to further refine your alerts (see page 30 - Motion Detection Setup).
- When used indoors, keep the cameras away from heating vents, heaters, and other heat sources, as they can trigger the PIR. However, if there is no movement in the image, a false alert is unlikely.
- As the PIR must sense an infrared object moving in front of it, the camera's image sensor will not detect movement when the camera is pointing at a window. In other words, it cannot see through glass.

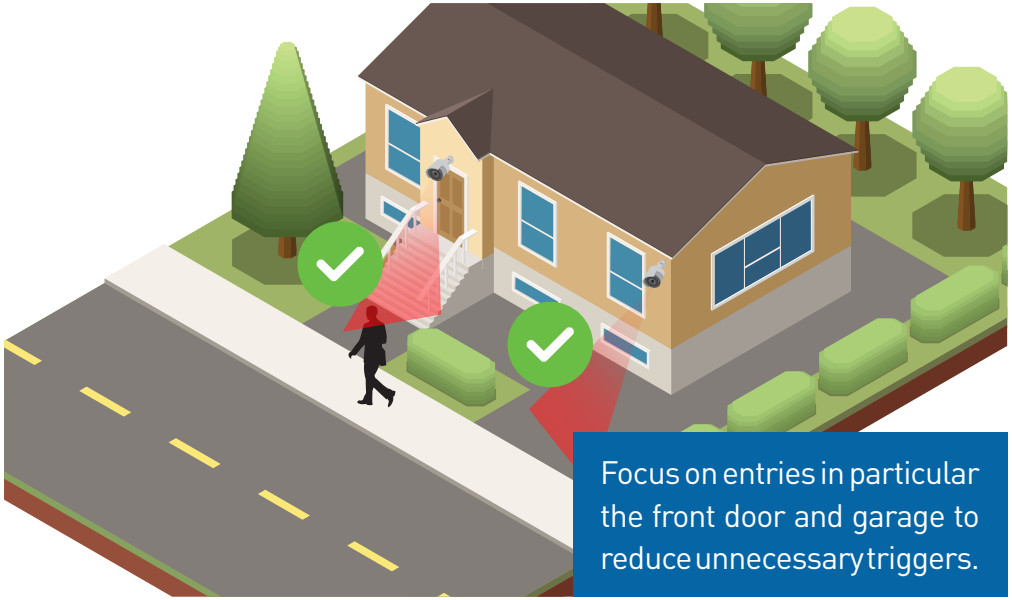


When installing cameras outside, mount them where intruders are most likely to enter (front & back doors, garage entrance). Angle the camer-as so the intruder walks parallel to the sensor.



PIR sensors work best when an intruder walks parallel or is passing across their "field of view" as opposed to walking directly at them.

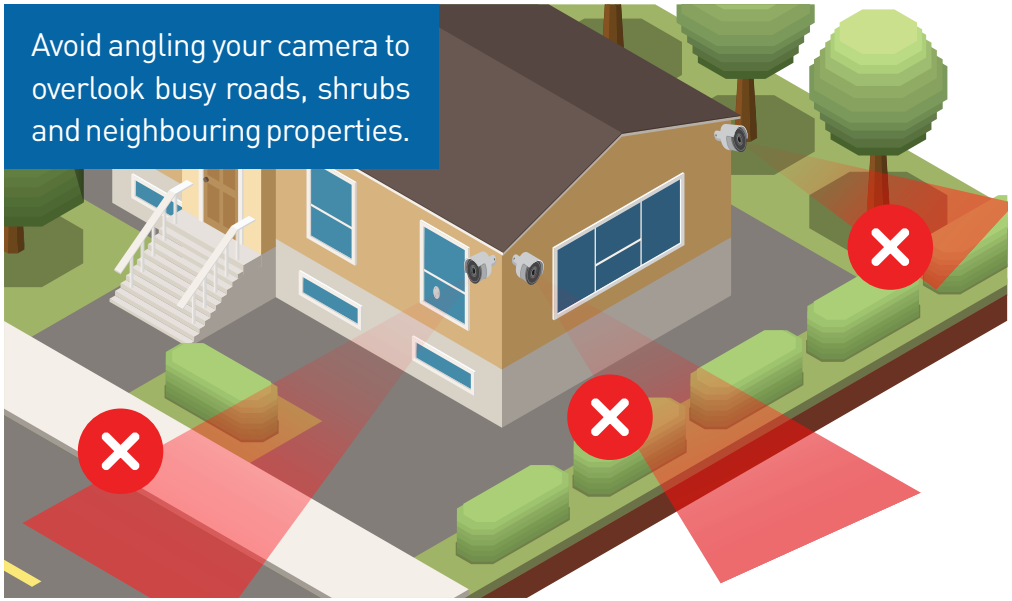
Camera Location Tips

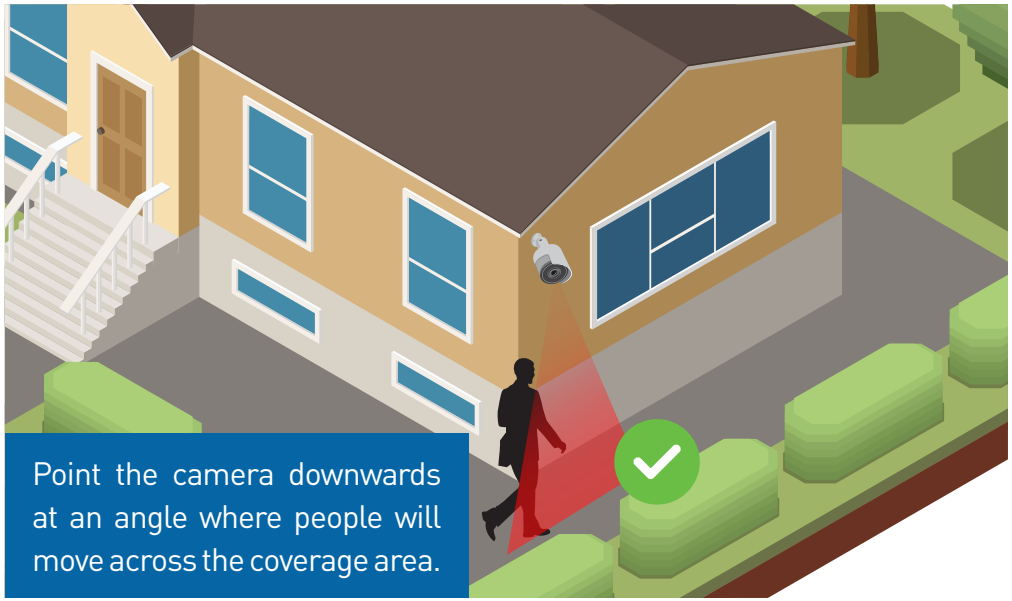


Focus on entries in particular the front door and garage to reduce unnecessary triggers.

Avoid aiming your camera directly at swaying trees, as this can cause it to be triggered too frequently.

Avoid angling your camera to overlook busy roads, shrubs and neighbouring properties.

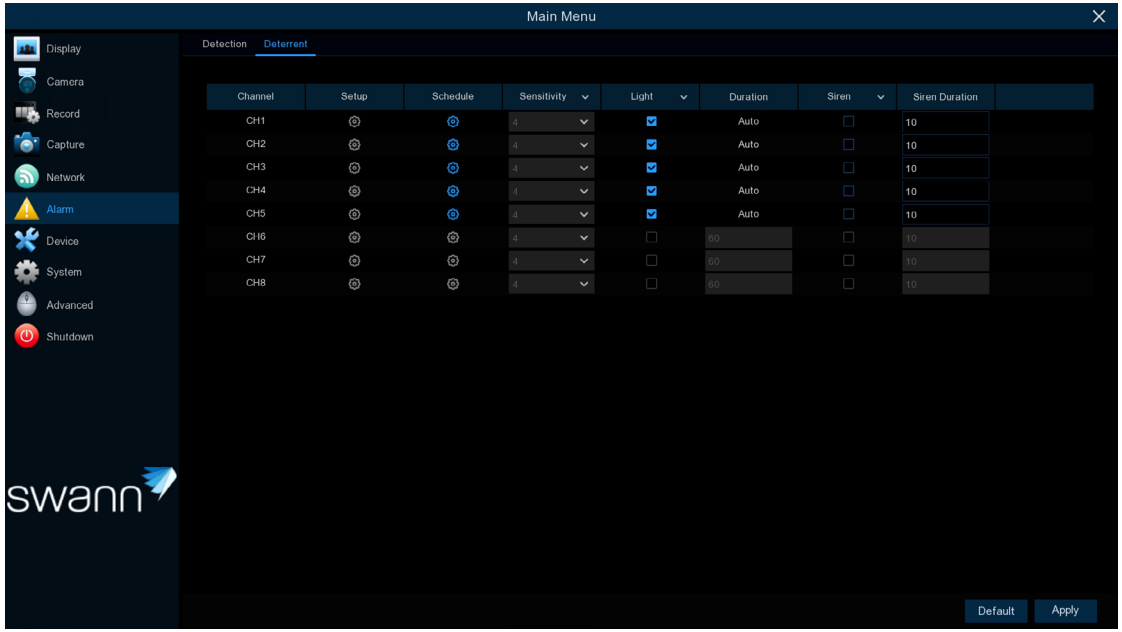




Point the camera downwards at an angle where people will move across the coverage area.

Click for contents

Alarm: Deterrent



Regarding the cameras' light and siren, they are triggered when your Power Hub detects motion by the camera and the camera's PIR built-in sensor. They can also be triggered via the Swann Security app.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Schedule: Click the button to change the default deterrent schedule (see page 34 - Deterrent Schedule).

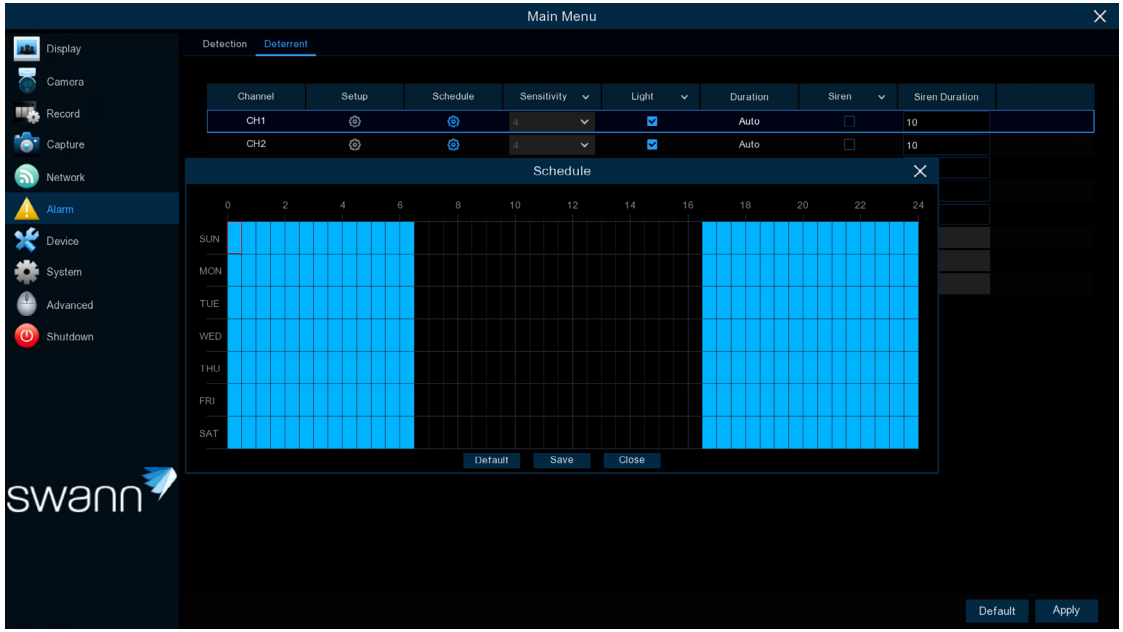
Light: The camera's spotlight is enabled by default. Click the checkbox if you would like to disable it.

Duration: The default is set to Auto and cannot be changed.

Siren: The camera's siren is disabled by default. If the siren is required, click the checkbox to enable it. Click "OK" to continue.

Siren Duration: This lets you change the length of time the siren will remain turned on when motion has been detected. Adjust accordingly.

Deterrent Schedule



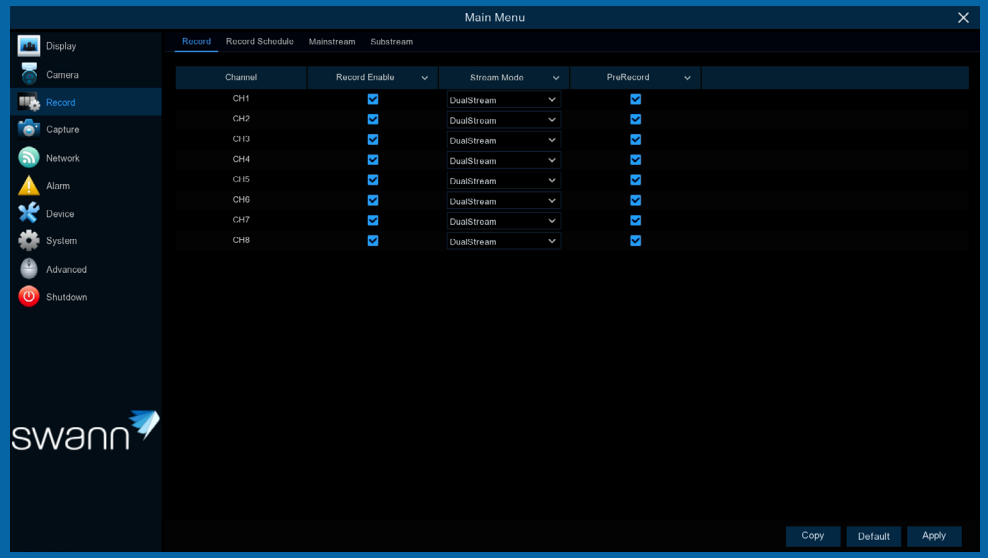
By default, the spotlight and siren (if enabled) will not trigger between 06:30 a.m. and 04:30 p.m. however, you can change this according to your needs.

Each square represents 30 minutes. Using the mouse, click on a particular square to change or click and drag the mouse over the squares corresponding to your desired period.

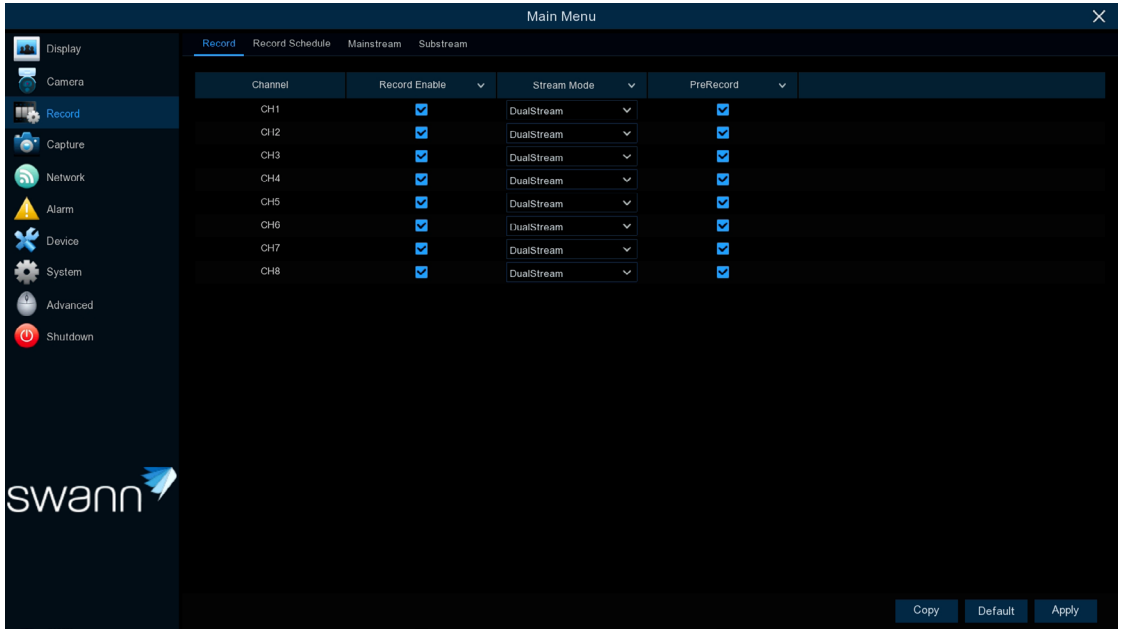
Click “Save” to save changes made. Right-click the mouse to exit.

Recording Configuration

The recording configuration options are available in the Record and Capture menus, accessible from the Main Menu. You can access and change the default recording schedule (presented as a 24-hour, 7-day week grid) for each camera connected. You can also enable and set a schedule for your Power Hub to take a snapshot each time an event occurs.



Record: Record



- Use the "Copy" function to apply all settings to the other cameras paired.
- Click "Default" to revert to default settings.
- Click "Apply" to save settings.

Record Enable: When disabled, your Power Hub will detect motion but won't record (manual record is also disabled).

Stream Mode: By default, your Power Hub will record both Mainstream and Substream video (known as DualStream). Mainstream (high-quality) video is utilized for playback when using your Power Hub directly. Substream (reduced quality) video is utilized for remote playback on your mobile device.

PreRecord: Allows your Power Hub to record for several seconds before an event occurs. We recommend leaving this enabled.

To adjust the duration on how long your Power Hub will record (see page 11 - Camera: Wireless Camera).

Record: Schedule

A 24-hour, 7-day week PIR and Motion/Person schedule has been enabled for each camera connected. You can change the schedule to suit your needs, and each camera can have a different schedule if needed.

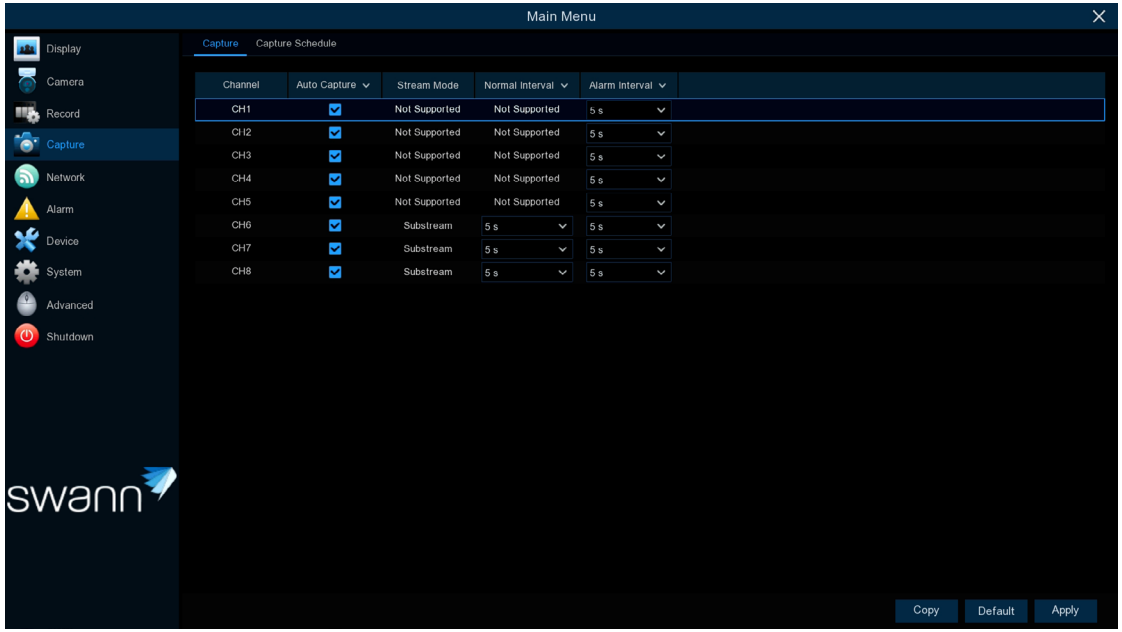
- → Use the "Copy" function to apply all settings to the other cameras paired.
- → Click "Default" to revert to default settings.
- → Click "Apply" to save settings.

Channel: Select a camera that you would like to edit.

PIR and Motion/Person: Your Power Hub will only record when motion has been detected from one or more cameras.

Each square represents 30 minutes. Using the mouse, select the desired recording mode, then click on a particular square to change or click and drag the mouse over the squares corresponding to your desired period. The same action can also be applied if recording isn't required (on one or more sections that have recording enabled).

Capture: Capture



As an added feature, you can enable and set a schedule for your Power Hub to take a snapshot each time an event occurs. It helps to find motion events quickly and can also be used for time-lapse photography.

- → Use the "Copy" function to apply all settings to the other cameras paired.
- → Click "Default" to revert to default settings.
- → Click "Apply" to save settings.

Auto Capture: When enabled, your Power Hub will save a snapshot to your Power Hub's storage device each time an event occurs.

Alarm Interval: When setting a PIR and Motion/Person capture schedule, a snapshot will be taken each time motion has been detected according to the interval selected. Adjust accordingly.

As this is an added feature, a capture schedule is not enabled by default. To enable this (see page 40 – Capture: Schedule).

Capture: Schedule

- Use the "Copy" function to apply all settings to the other cameras paired.
- Click "Default" to revert to default settings.
- Click "Apply" to save settings.

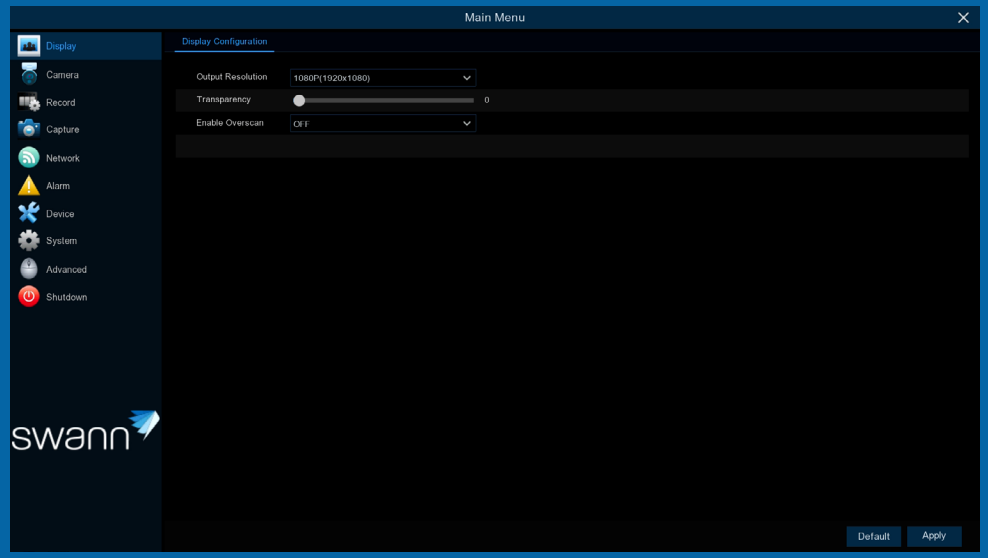
Channel: Select a camera that you would like to edit.

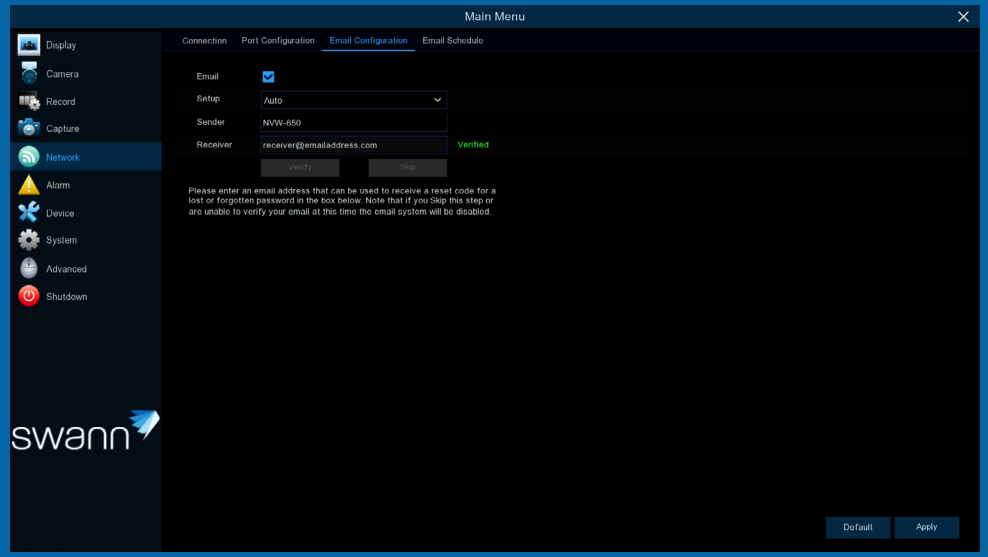
PIR and Motion/Person: A snapshot is taken each time motion has been detected according to the alarm interval selected.

Each square represents 30 minutes. Using the mouse, click on a particular square to change or click and drag the mouse over the squares corresponding to your desired period. The same action can be applied if capture isn't required (on one or more sections enabled).

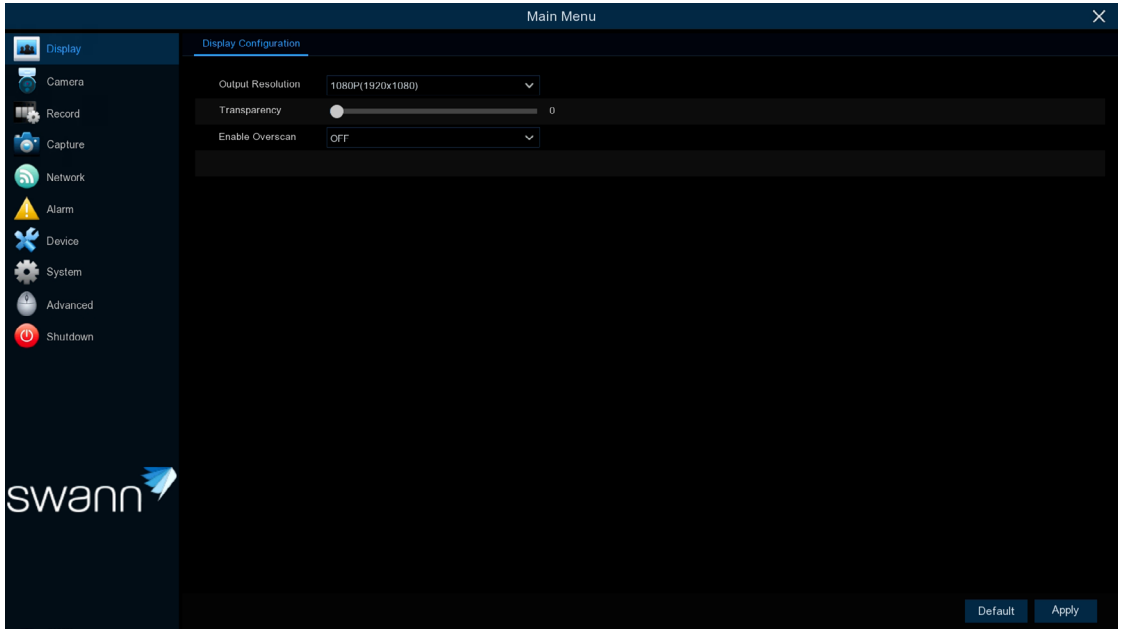
System Configuration

The options available give you complete control over how your Power Hub is configured and how it operates. Some of the options, such as display resolution, time zone, email configuration, Daylight Saving, and password creation, are configured during the Startup Wizard. For experienced network users, your Power Hub provides options that can be configured to suit your particular requirements. You can also perform a firmware upgrade when available.





Display: Display Configuration



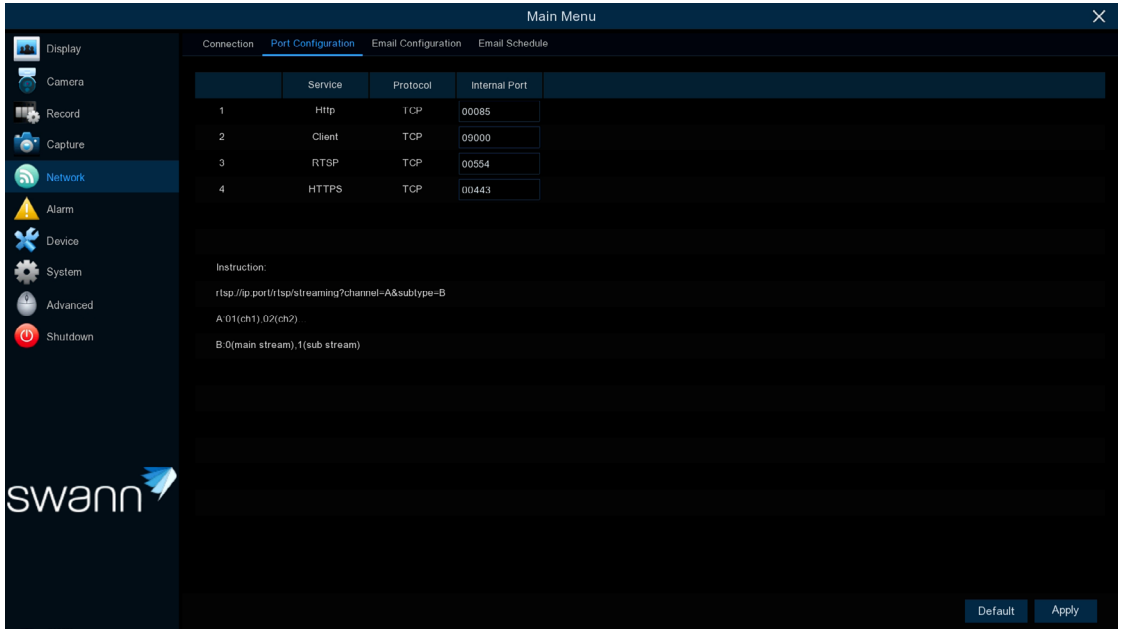
- Click "Default" to revert to default settings.
- Click "Apply" to save settings.

Output Resolution: Select a display resolution that is suitable for your TV.

Transparency: Click and hold the slider left or right to change how transparent the Menu Bar and Main Menu appears on-screen. Adjust accordingly.

Enable Overscan: This is mainly used on older television sets to display the entire viewable area correctly on-screen. It does this by cutting off the edges of the picture. This is not required for modern Plasma and LCD TVs, as the image is digitally processed to display the correct aspect ratio.

Network: Port Configuration & RTSP



The cog symbol (top right) indicates functions that are suitable for experienced users and or some networking knowledge is required.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

In most circumstances, there is no need to change the settings here. The following is for advanced users only.

Http: This port will log into your Power Hub via your network or remotely. The default port number (85) is seldom used by other devices. If you have another device using this port, you may need to change it. An alternative port number to use is 90.

Client: This is the internal port your Power Hub will use to send information through. This particular port number (9000) is not used by many devices. If you have another similar device, you may need to change it.

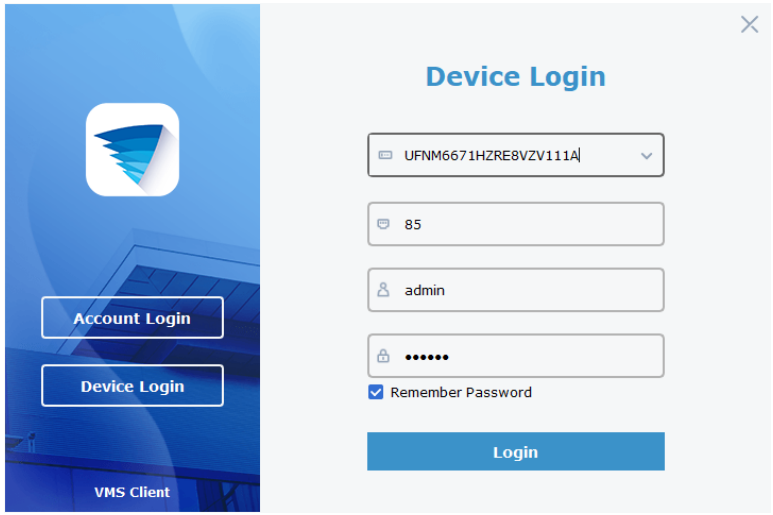
RTSP: This port can stream a camera's live view image to your computer.

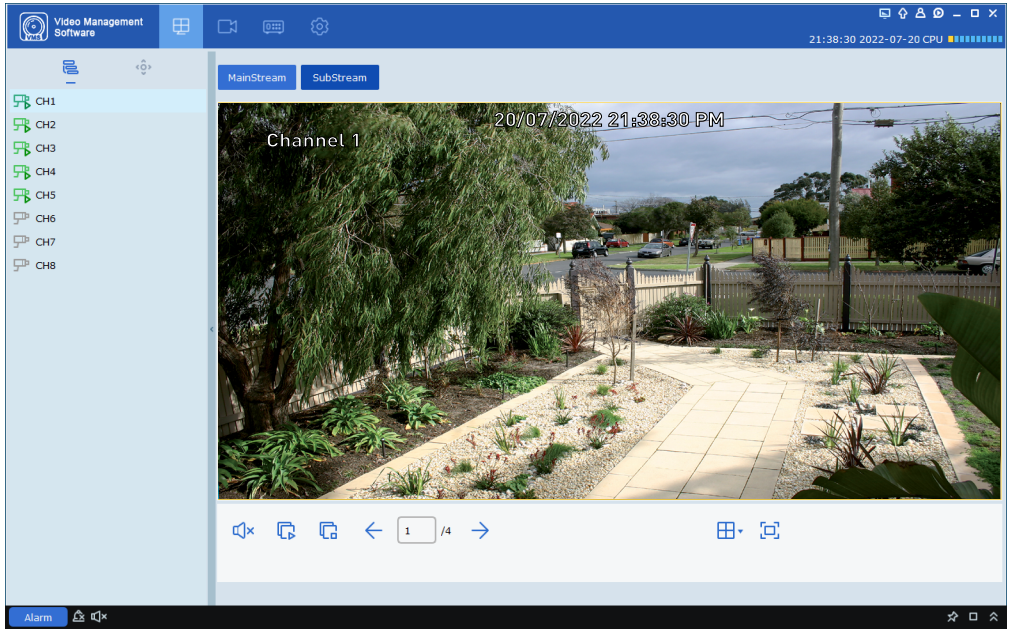
HTTPS: The same as Http but with an additional layer of security. The default port number (443) is seldom used by other devices.

To view your cameras on your PC or Mac you can download and install the Swann Security Video Management Software (see page 44).

Click for contents

Swann Security Video Management Software (VMS)

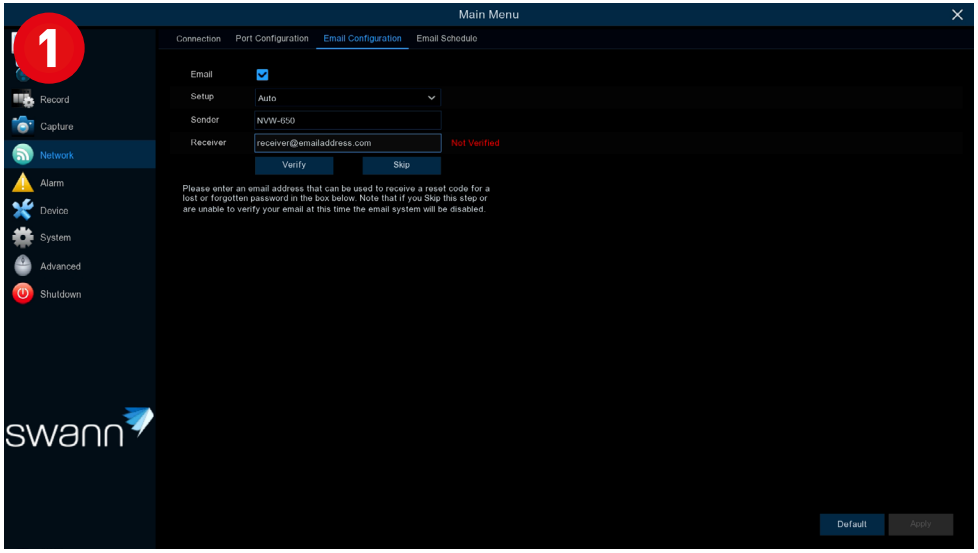


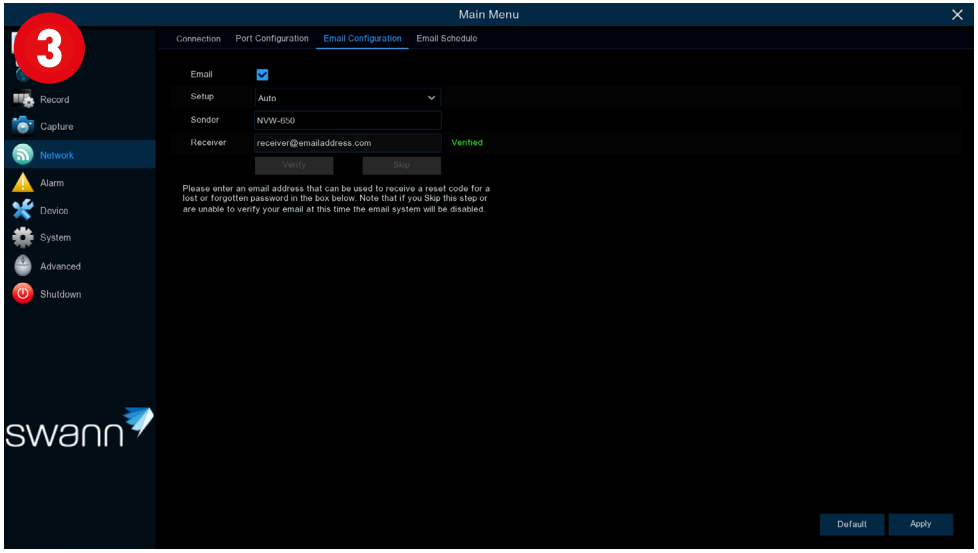


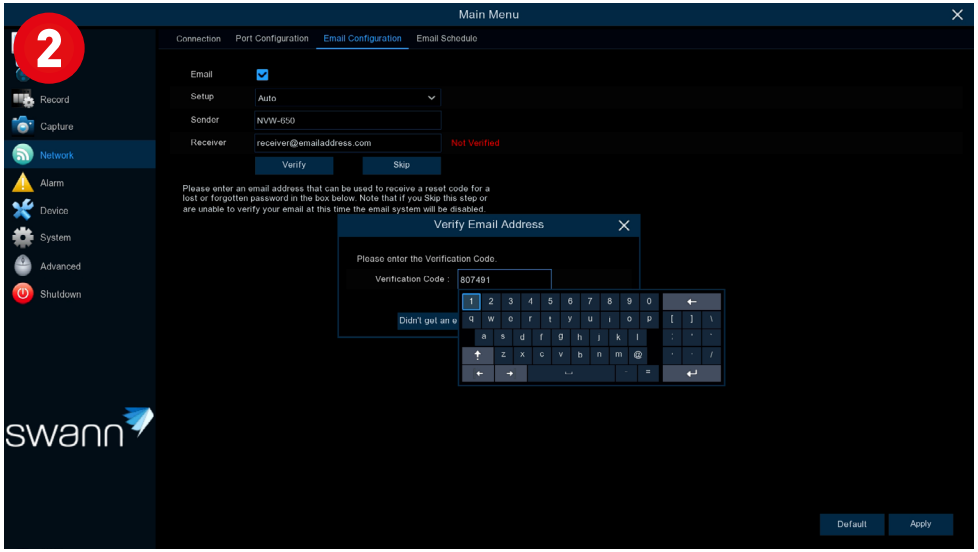
When using your Power Hub's P2P ID, you can login either locally or remotely to view your cameras. The VMS interface has a look & feel very similar to how your Power Hub is displayed on your TV. The various functions and settings available on your Power Hub, can also be changed.

Click this link to access the download page and follow the on-screen instructions for installation.

Network: Email Configuration - Email Verification







Inputting an email address is recommended so your Power Hub can send you a password reset request if your password is forgotten. Both Gmail and Outlook are supported. Alerts are also sent to your email.

1. Click the checkbox to receive email alerts.

Sender: Input a name for your email account.

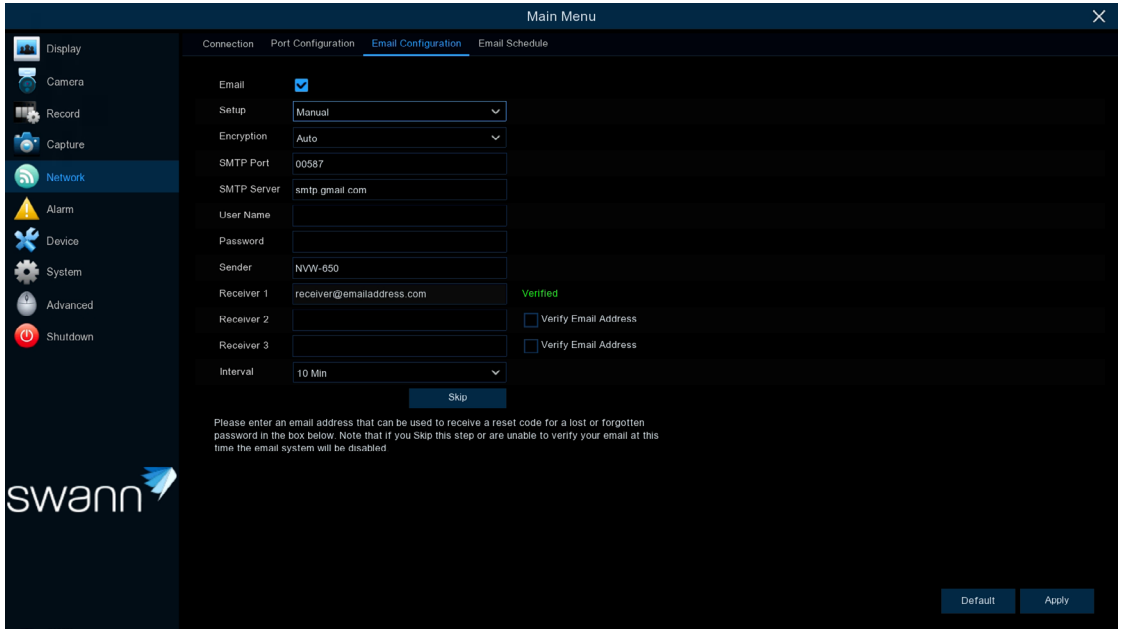
Receiver: Input the email address to send email alerts to.

Verify: Click this to verify your email address, then click "OK".

2. A verification code will be sent to the email address. Enter the verification code, then click "Confirm". Please note the verification code is valid for 15 minutes.

3. You will see the word Verified in green. Click "Apply" to save settings.

Network: Email Configuration - Manual Setup



→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Setup: Click the drop-down menu and select "Manual" to use the email from your service provider.

Encryption: Leave this on "Auto" to ensure your Power Hub will use the correct encryption for your email provider.

SMTP Port: Enter the port number, for example, 00587.

SMTP Server: Enter the email server, for example, mail.iinet.net.au.

User Name: Input the email user name for your account.

Password: Input the email password for your account.

Receiver 2/3: If needed, input an additional email address to send email alerts to. Click the "Verify Email Address" checkbox to verify the email address and follow the instructions on the previous page.

Interval: This is the length of time that must elapse after your Power Hub sends an email alert before it will send another. Adjust accordingly.

Various steps have to be performed to use Gmail as a sender for email alerts. Click here for instructions.

Click for contents

Network: Email Schedule

- → Use the "Copy" function to apply all settings to the other cameras connected.
- → Click "Default" to revert to default settings.
- → Click "Apply" to save settings.

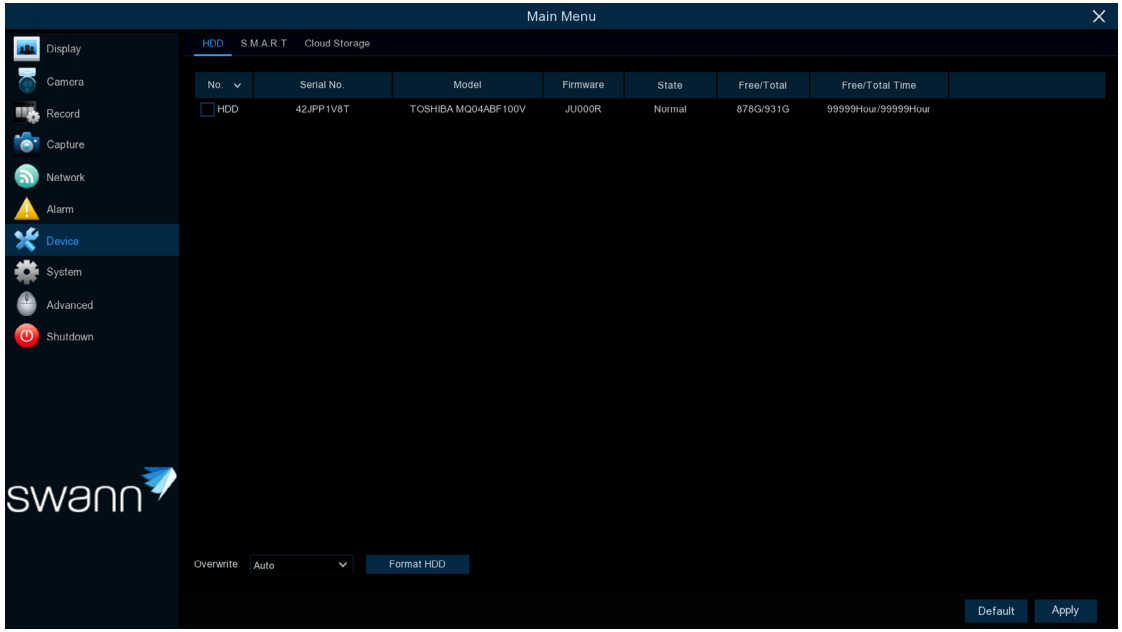
Channel: Select a camera that you would like to edit.

PIR and Motion/Person: If email alerts are enabled for motion detection, you can change the schedule on when your Power Hub can send those alerts. For example, you may only want to receive alerts during the day but not in the evening. A different schedule can be created for each camera.

Exception: There are three event types that your Power Hub will detect as an exception - no space left on the storage device, a storage device error, and if one or more channels has lost the feed from its camera (see page 55 - Advanced: Events). We recommended to leave the default schedule in place in case there is an exception that you need to be alerted to.

Each square represents 30 minutes. Using the mouse, click on a square to change or click and drag the mouse over the squares corresponding to your desired period.

Device: HDD



This feature lets you prepare your Power Hub's storage device for use. If you've just installed a new storage device, you need to format it first. You can also plug in a USB flash drive or a hard drive to increase the storage space of your Power Hub.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Overwrite: This instructs your Power Hub to overwrite the oldest video files as the storage device becomes full. You also have the option of disabling this or selecting the amount of days events are kept before they are overwritten. We recommend to leave the default selection as this prevents your Power Hub from running out of storage space.

Format HDD: Click the checkbox to select the storage device, then click this button to format.

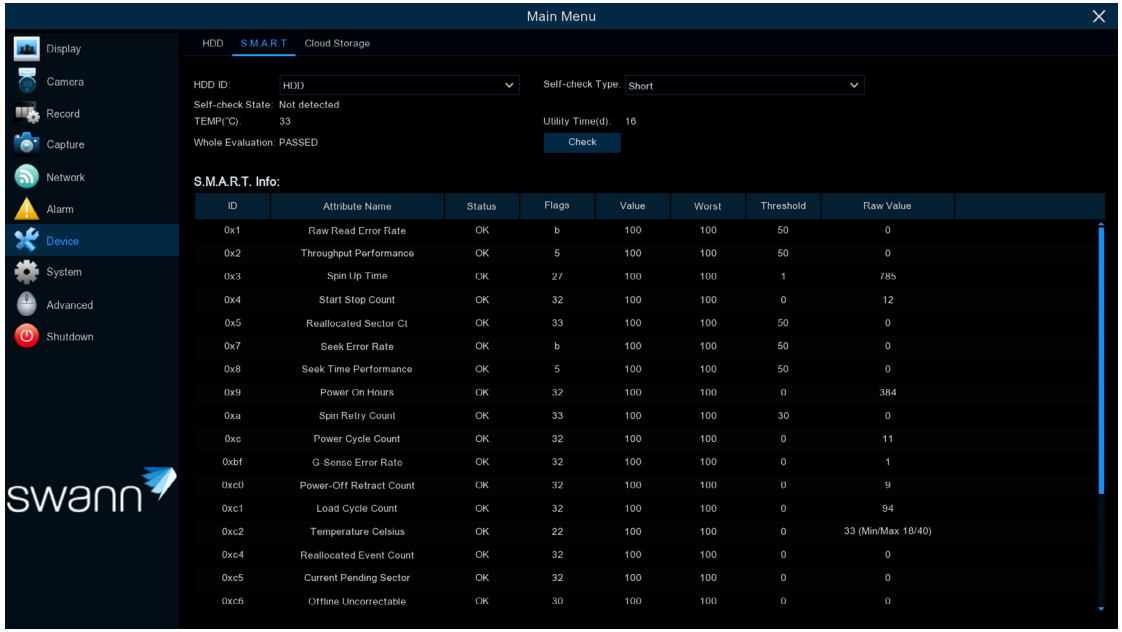
Input your password, then click "Authenticate". A message will appear noting the data that will be erased. Click "OK" to continue.

We recommend that you occasionally format the storage device to maintain the integrity of your Power Hub. Remember, formatting the storage device erases all your recordings.

If you spot this icon while in Live View mode, it means there's an issue with your storage device. If it came with your Power Hub, reach out to our Helpdesk team for additional support.

Click for contents

Device: S.M.A.R.T



This function is used to display technical information on the hard drive (if one is installed) inside your Power Hub. You can also perform a test (three types available) to evaluate and detect potential drive errors.

Self-check Type: There are three types available:

Short: This test verifies major components of the hard drive, such as read/write heads, electronics, and internal memory.

Long: A surface scan is performed to reveal problematic areas (if any) and forces bad sector relocation.

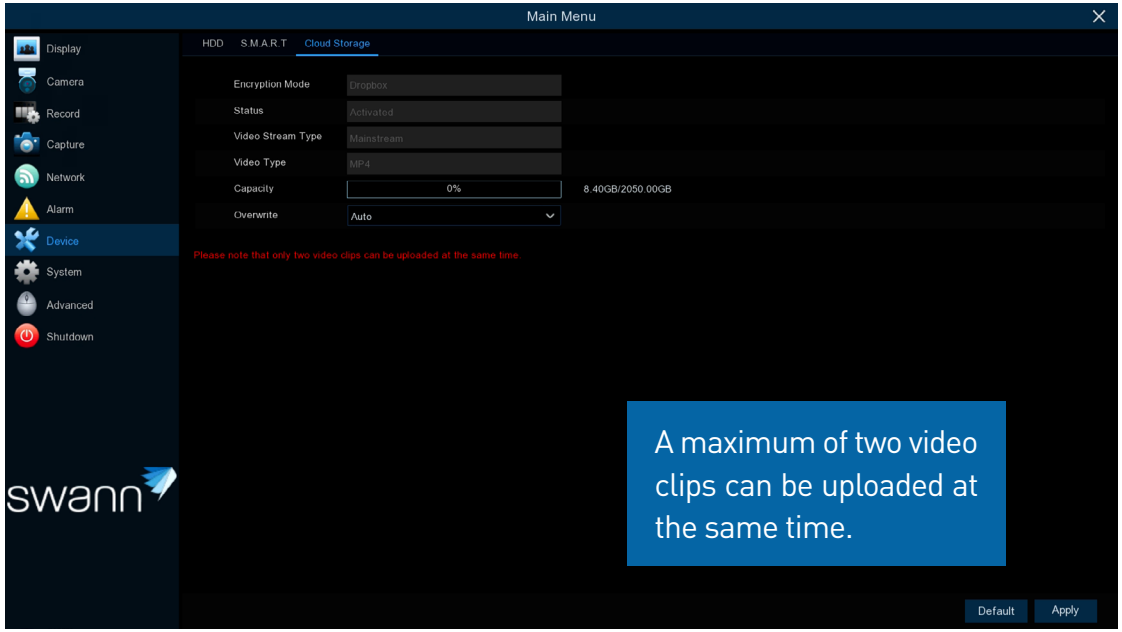
Conveyance: This is a quick test that verifies the mechanical parts of the hard drive are working.

When performing a test, your Power Hub will continue to work as normal.

The information here isn't required for general use of your Power Hub, but one of our Swann Helpdesk & Technical Support staff may ask you to access this if you call for assistance.

Right-click the mouse to exit.

Device: Cloud Storage - Dropbox Activation



If you have subscribed to one of the Secure+ Plans in the Swann Security app, your snap-shots and videos are uploaded automatically to the cloud. Subscribers are not required to have a Dropbox account. For non-subscribers, follow the instructions below to activate the cloud function using your Dropbox account.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Before activating, it's best to create a Dropbox account first. Visit www.drop-box.com, provide your name, email address, and password, agree to the terms & conditions, and then click or tap the sign-up button. If you already have a Dropbox account, you can skip this step.

Encryption Mode: Please use the Swann Security app to activate.

Status: This will change to Activated when active. If you see Network Blocked, check that your Power Hub has internet access.

Video Stream Type: Mainstream (high-quality) video is copied to the cloud.

Video Type: MP4 video format is copied to the cloud for wider playback com-patibility.

Capacity: When activated, this will display how much free space you have on your Dropbox account.

Overwrite: The default setting will overwrite the oldest files first. Click the drop-down menu if you would like to select a particular time instead.

To activate the cloud function:

1. On your mobile device, sign in to your Dropbox account first (skip this step if you have already done this).

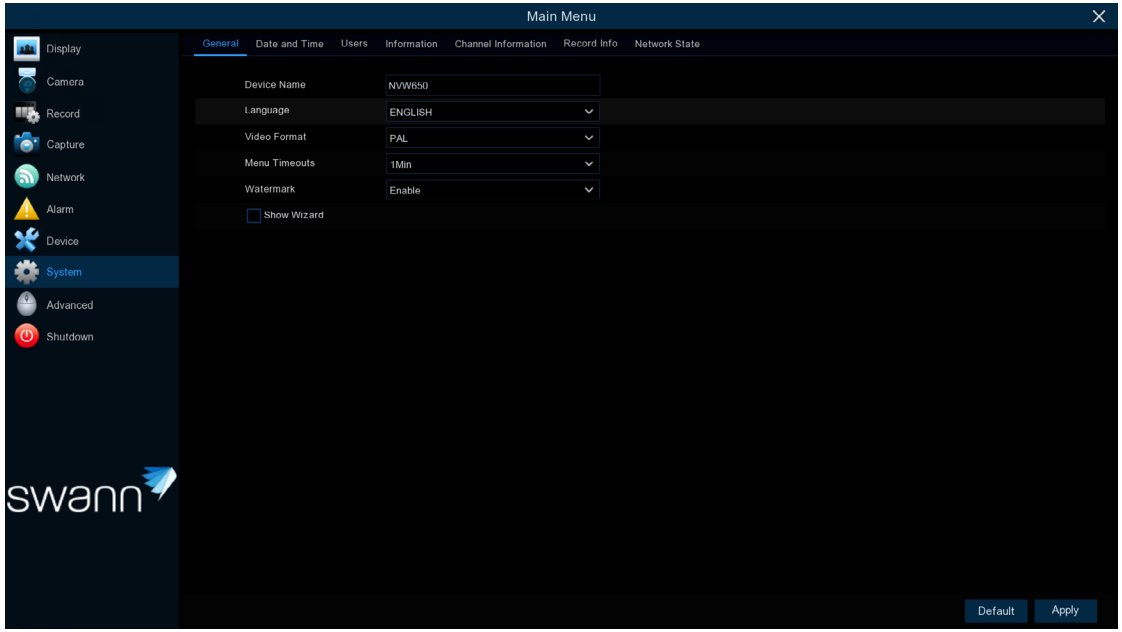
2. In the Swann Security app, tap "Menu" (top left), then tap "Dropbox".

3. Tap "Authorize", then tap "Allow". Repeat the above step, then tap "Link".

4. Your Power Hub is now authorized to use your Dropbox account.

5. With the cloud function enabled, you need to instruct your Power Hub to send alerts to the cloud (see page 28 - Alarm: Detection).

System: General



→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Device Name: Click the dialogue box to rename your Power Hub (if required).

Language: Select a language you would like the system menus to be displayed in. Multiple languages are available.

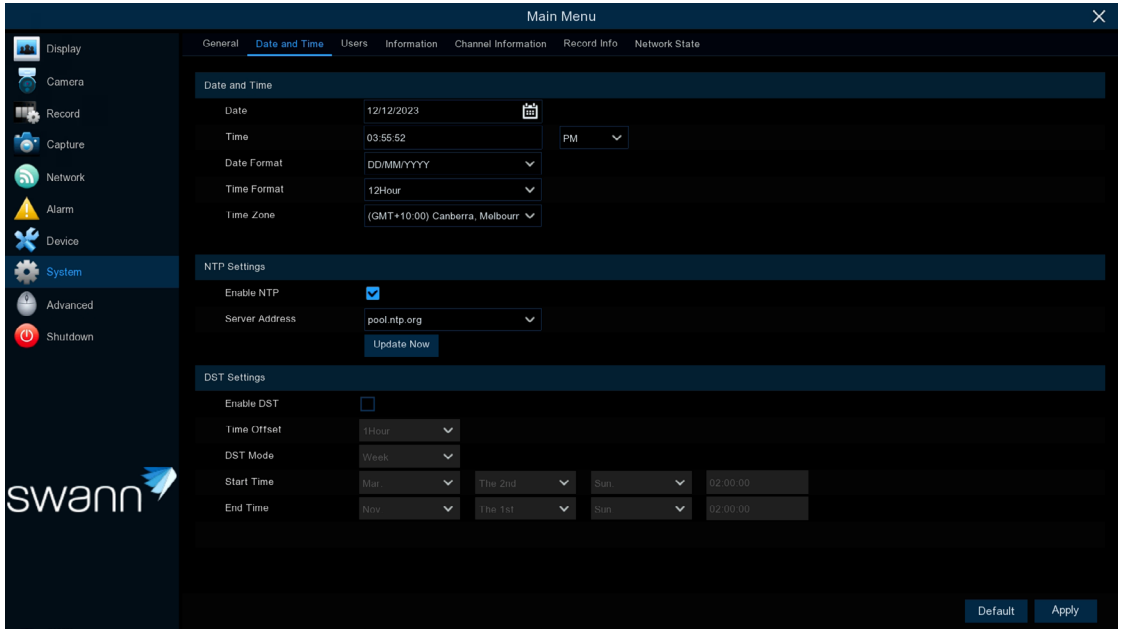
Video Format: Select the correct video standard for your country. USA and Canada are NTSC. UK, Australia and New Zealand are PAL.

Menu Timeouts: Click the drop-down menu to select the time your Power Hub will exit the Main Menu when idle. You can also disable this by selecting "OFF" (password protection will be temporarily disabled).

Watermark: By default, the Swann logo is overlaid as a watermark for each camera. If this isn't required, click the drop-down menu to disable it.

Show Wizard: Click the checkbox if you would like to display the Startup Wizard each time you turn on or reboot your Power Hub.

System: Date and Time



→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Date and Time

If the date, time and, time zone are incorrect, click the relevant dialogue boxes and drop-down menus to change.

NTP Settings

The NTP (Network Time Protocol) function gives your Power Hub the ability to automatically sync its clock with a time server. This ensures that the date and time are accurate and ensures correct time stamping when events occur.

1. Click the "Update Now" button to automatically synchronize your Power Hub's internal clock with the time server instantly.

2. A message will appear on-screen stating that the time has been successfully updated. Click "OK" to continue.

DST Settings

Enable DST: If Daylight Saving applies to your time zone or region, click the drop-down menu to enable it.

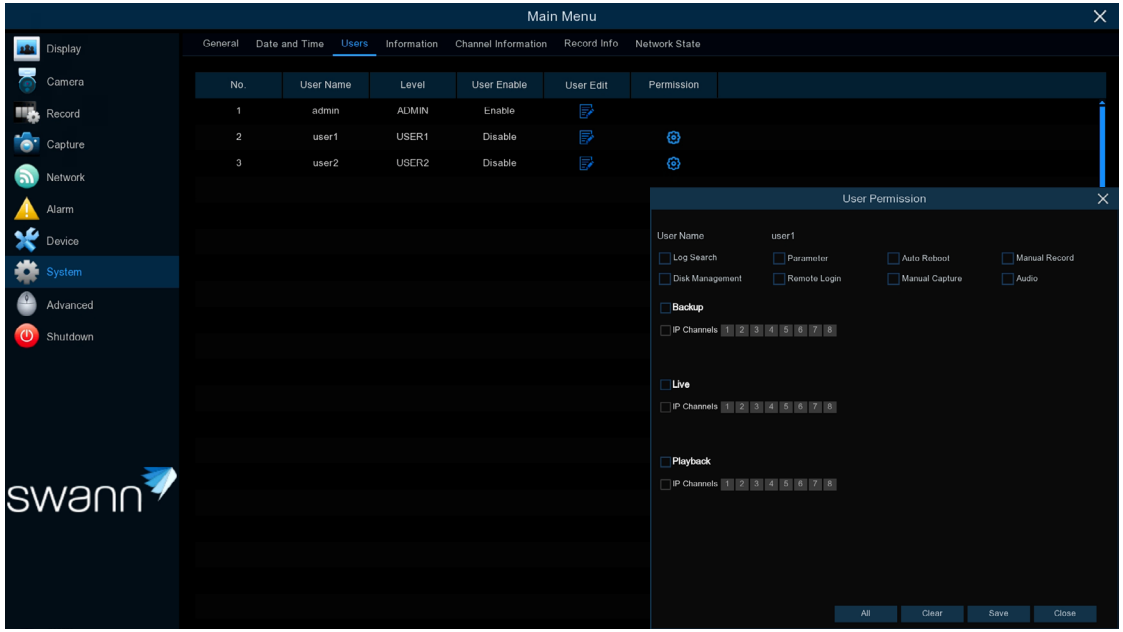
Time Offset: Select the amount of time that Daylight Saving has increased by in your time zone. This refers to the difference in minutes, between Coordinated Universal Time (UTC) and the local time.

DST Mode: You can select how Daylight Saving starts and ends:

Week: Select the month, a particular day, and time when Daylight Saving starts and ends. For example, 2 a.m. on the first Sunday of a particular month.

Date: Select the start date (click the calendar icon), end date, and time when Daylight Saving starts and ends.

System: Users



To change your Power Hub's password, click the "Edit" button. The password has to be a minimum of six characters and can contain a mixture of numbers and letters. Enter your new password again to confirm.

Additional user accounts can also be enabled:

1. Select "user1", then click the "Edit" button.

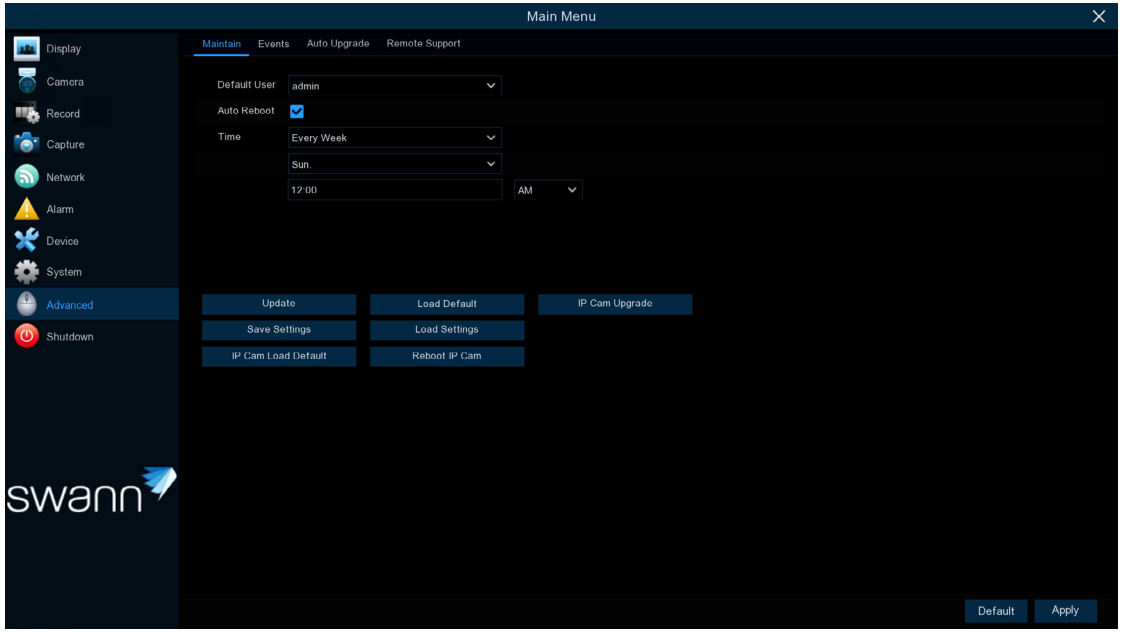
2. Click the drop-down menu to enable.

3. Enter a user name and password.

4. Click the "Save" button, enter the admin password, then click "OK" to confirm.

To change permissions, click the "Permission" button, then select which options you would like to enable (see inset above). Click the "All" button to select all options. Click the "Save" button, then click "OK" to confirm.

Advanced: Maintain



→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Default User: Admin is the default user account. If multiple user accounts have been created, click the drop-down menu to turn this off.

Auto Reboot: Leave this enabled, as it maintains the operational integrity of your Power Hub.

Time: Choose an appropriate day and time to reboot your Power Hub.

Update: Click this button to update the firmware from a USB flash drive. Select the firmware file, then "OK" to confirm. When the firmware update has been completed, your Power Hub will reboot automatically.

Save Settings: Click this button to export a configuration file containing all the settings that you have customized.

IP Cam Load Default: Click this button to restore the factory default settings for each camera.

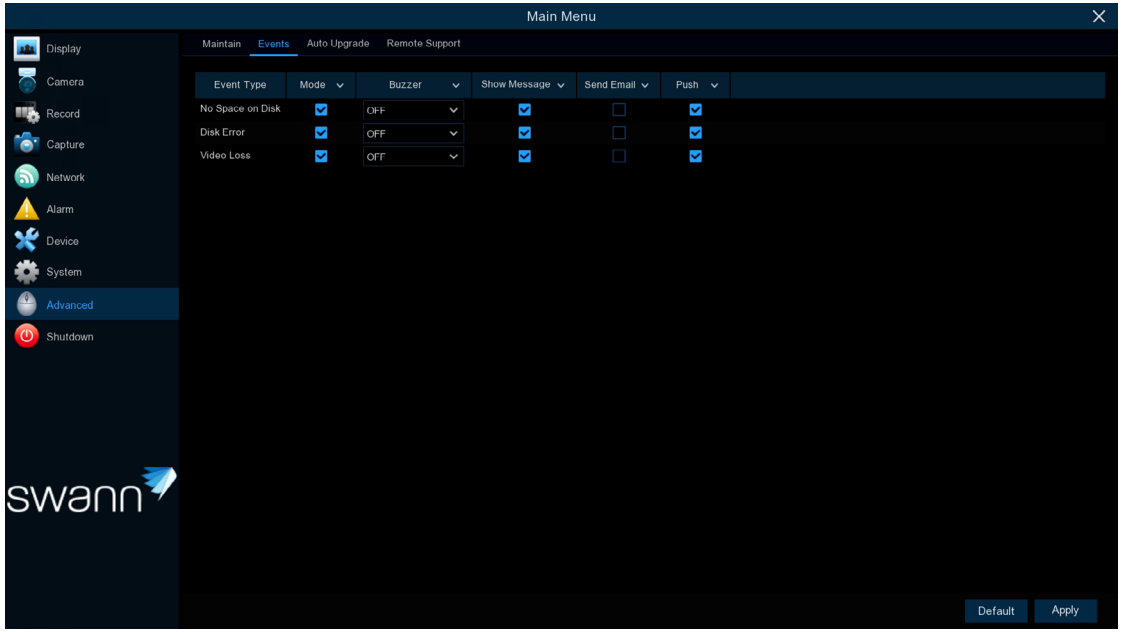
Load Default: Click this button to restore factory default settings. Click "All", then click "Save". Your Power Hub will reboot, and the Startup Wizard will appear on-screen.

Load Settings: Click this button to import a configuration file containing all the settings that you have customised.

Reboot IP Cam: In case of any issues, click this button to reboot each camera.

IP Cam Upgrade: Click this button to update the cameras' firmware from a USB flash drive. We recommend that the battery level is at 50% or above before updating. Go to support.swann.com to check for available updates.

Advanced: Events



Whenever there is an event or if your Power Hub displays unusual behaviour, you can be alerted in multiple ways, such as receiving an email or receiving an alert in the Swann Security app, and activating its internal buzzer. There are three event types that your Power Hub will detect as an exception.

→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

Event Type: Click the checkbox if you would like to disable alerts for the event available.

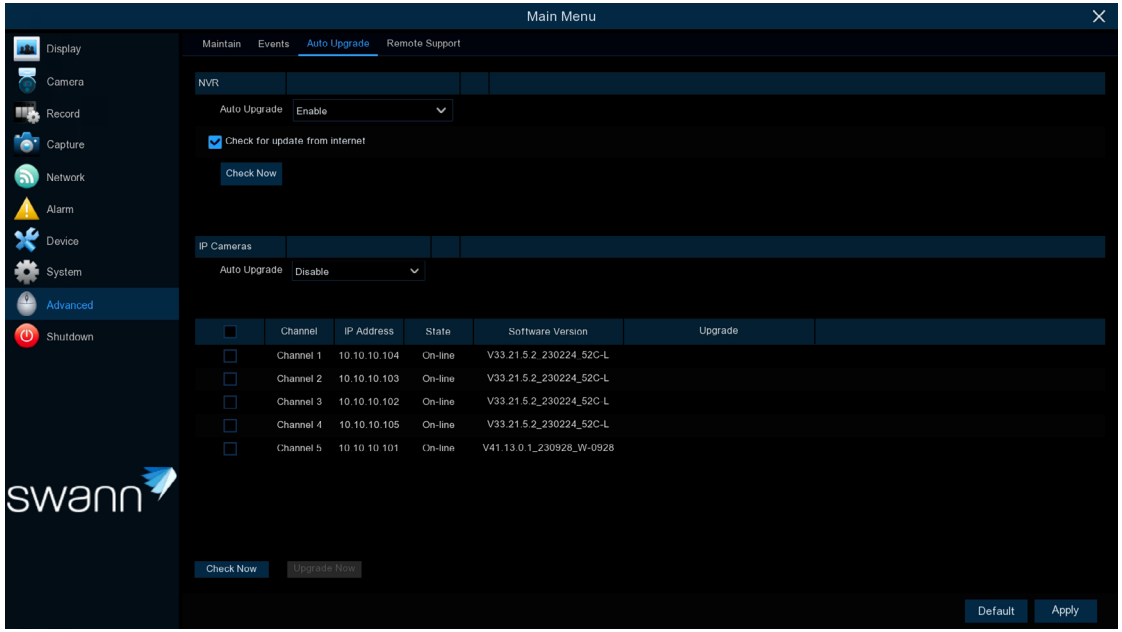
Buzzer: Click the drop-down menu and select the time for the internal buzzer to activate for the event available.

Show Message: Click the checkbox if you like to disable the on-screen message for the event available.

Send Email: Click the checkbox if you would like to enable email alerts for the event available.

Push: Push notifications are sent via the Swann Security app. Click the checkbox if you want to disable this.

Advanced: Auto Upgrade



→ Click "Default" to revert to default settings.

→ Click "Apply" to save settings.

NVR

Auto Upgrade: By default, your Power Hub will automatically check and alert you if new firmware is available for download. Click the drop-down menu if you would like to disable this feature.

Check for update from internet: By default, your Power Hub will automatically check and alert you if new firmware is available for download. Click the checkbox if you would like to disable this feature.

Check now: Click this button to check if new firmware is available. If new firmware is available, follow the on-screen instructions.

IP Cameras

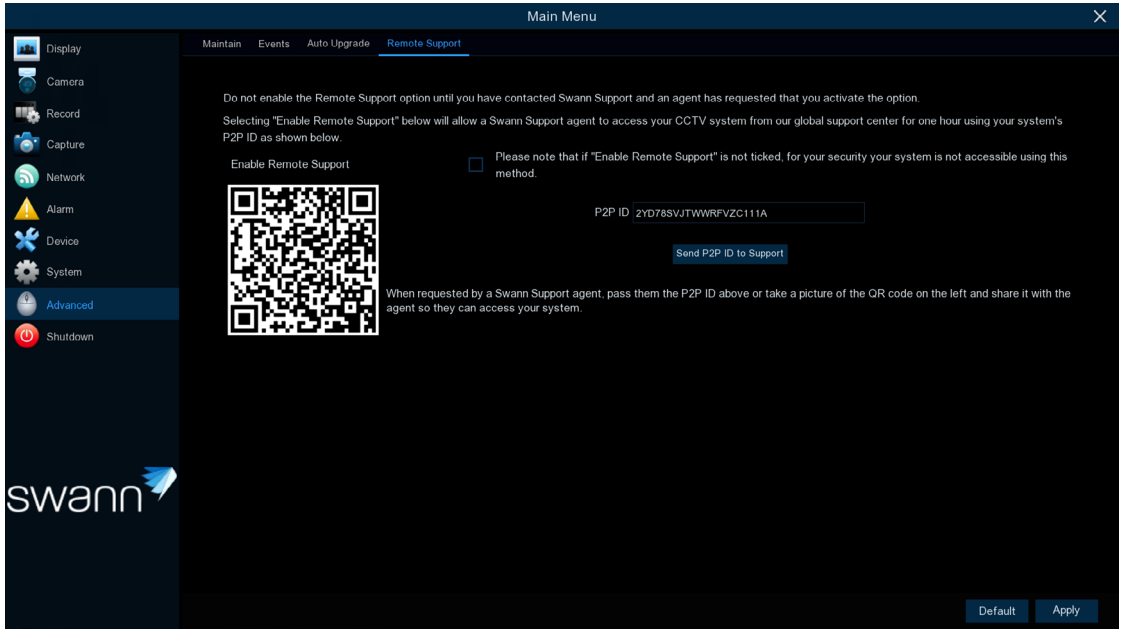
Auto Upgrade: Click the drop-down menu to enable your Power Hub to automatically check and alert you if new firmware is available for the paired cameras.

Click the checkbox on one or more of the cameras paired to check for a firmware update.

Check Now: Click to check for a camera firmware update.

If a firmware update is available, click the "Upgrade Now" button and follow the on-screen instructions.

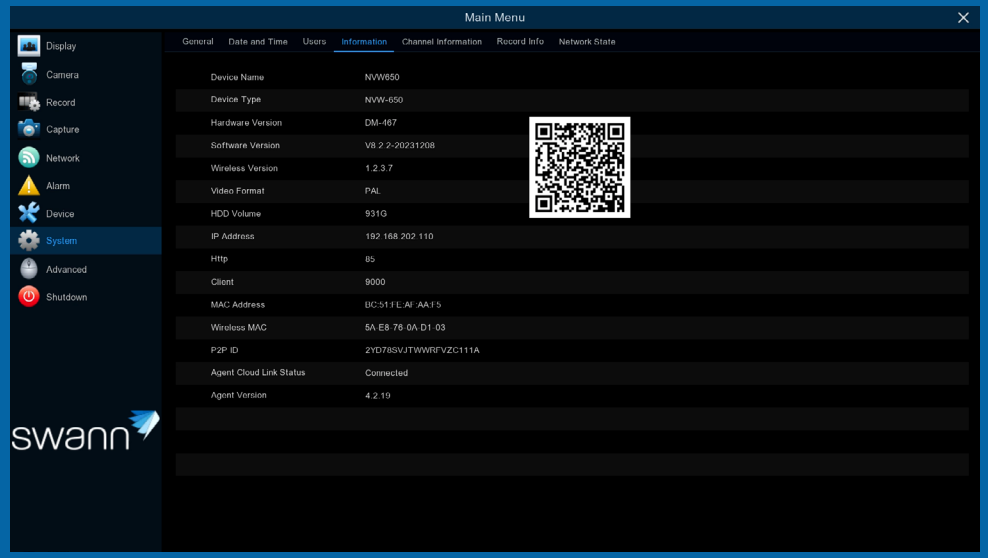
Advanced: Remote Support

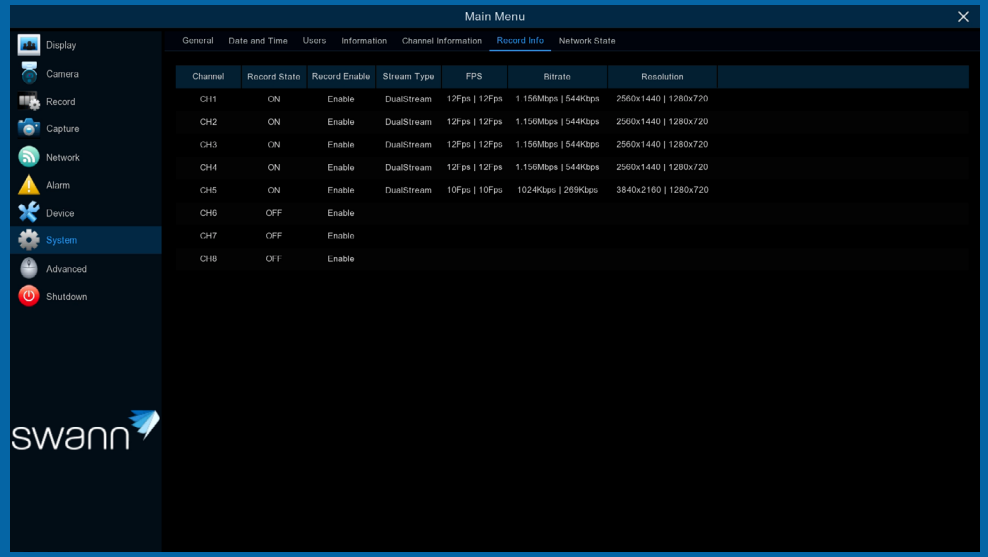


If you call for assistance, the Remote Support function is used by our Swann Helpdesk & Technical Support staff to remotely connect to your Power Hub. This will assist them in diagnosing any issues that you may be having. This function is not used in the day-to-day operation of your Power Hub.

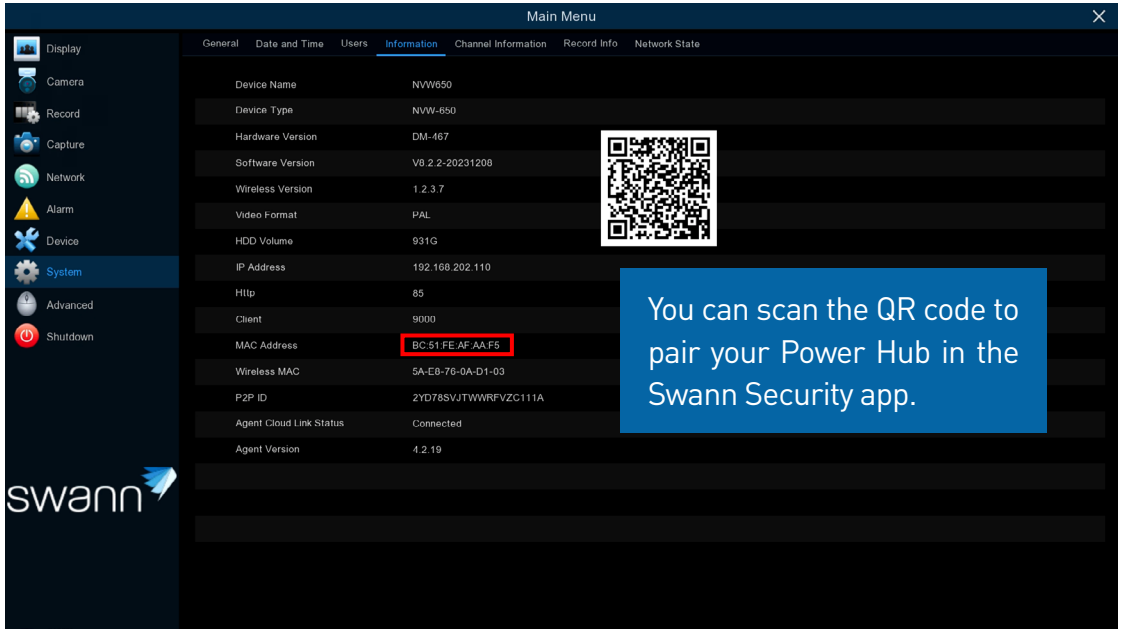
System Status

The various status tabs give you an overview of the settings and options that have been selected for your Power Hub to function. Actions performed by your Power Hub and events detected are logged, which you can search and view. When calling our helpdesk for assistance, our staff may ask you to access these tabs to assist them in solving any technical issues that you may be having.





System: Information



You can scan the QR code to pair your Power Hub in the Swann Security app.

This tab displays technical information about your Power Hub as well as your device ID (P2P ID) and QR code. If you call our helpdesk for assistance, our staff may ask you to access this tab to assist them in solving any technical issues that you may be having.

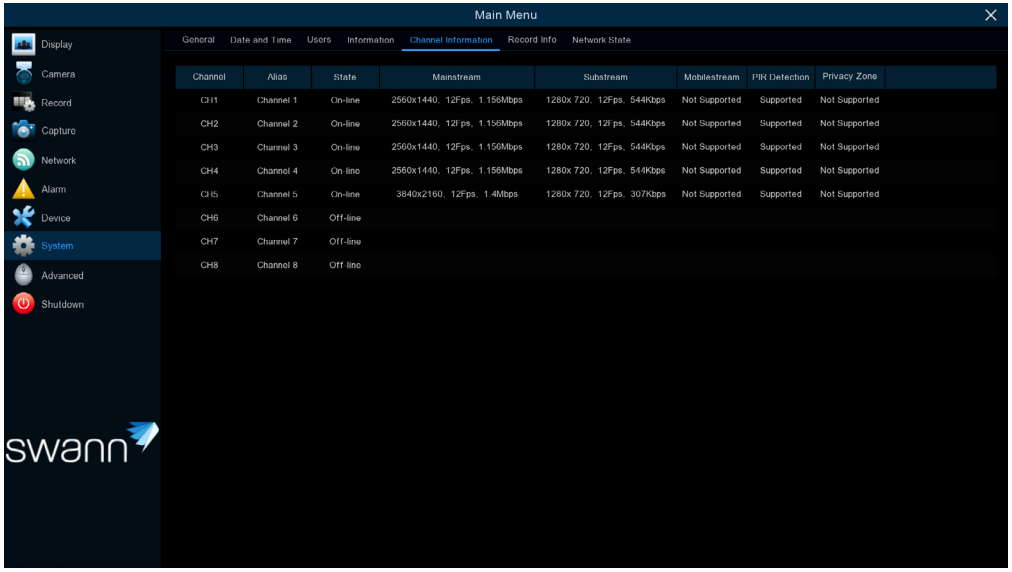
MAC Address: You can use this as a recovery password if you have forgotten your current password.

If you call our helpdesk for assistance, our staff may ask you to access this tab to assist them in solving any technical issues that you may be having.

Write down your MAC Address: _____

Agent Cloud Link Status: Indicates if your Power Hub is connected to the Swann Security cloud system.

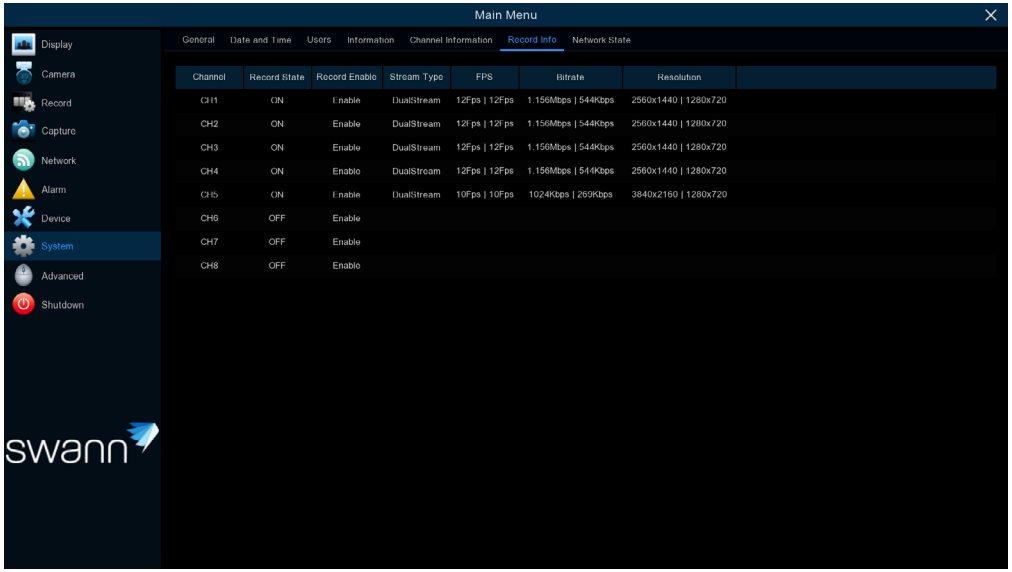
System: Channel Information & Record Info



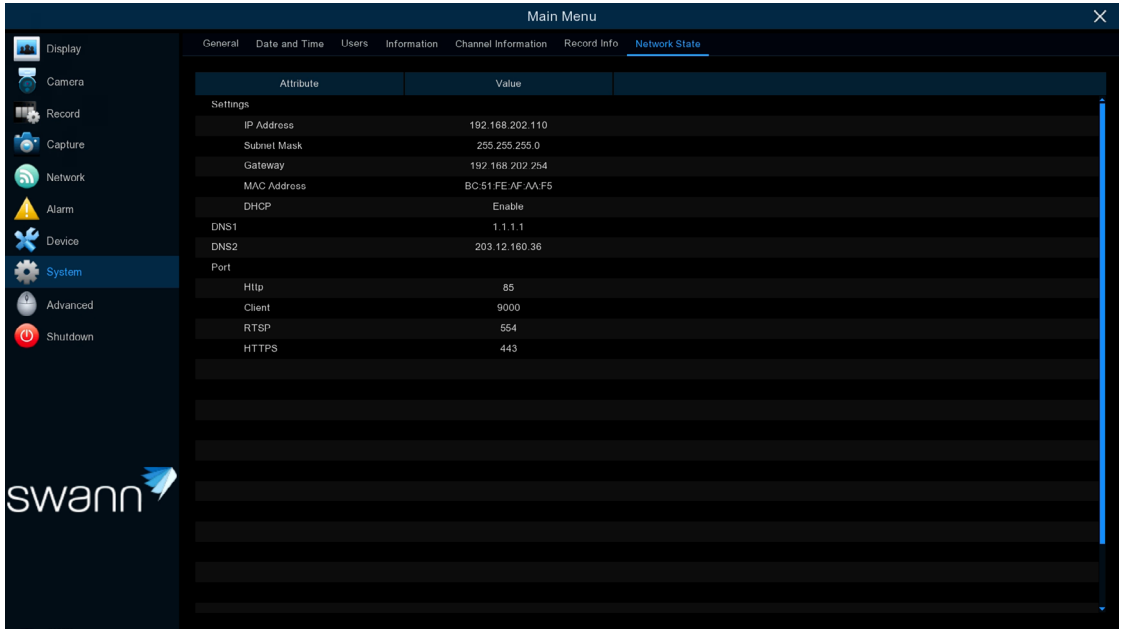
Displays the Mainstream, Substream, and the recording settings used for each camera connected (for Record Info, the settings will only be shown when one or more cameras are recording).

If you call our helpdesk for assistance, our staff may ask you to access this tab to assist them in solving any technical issues that you may be having.

Right-click the mouse to exit.



System: Network State

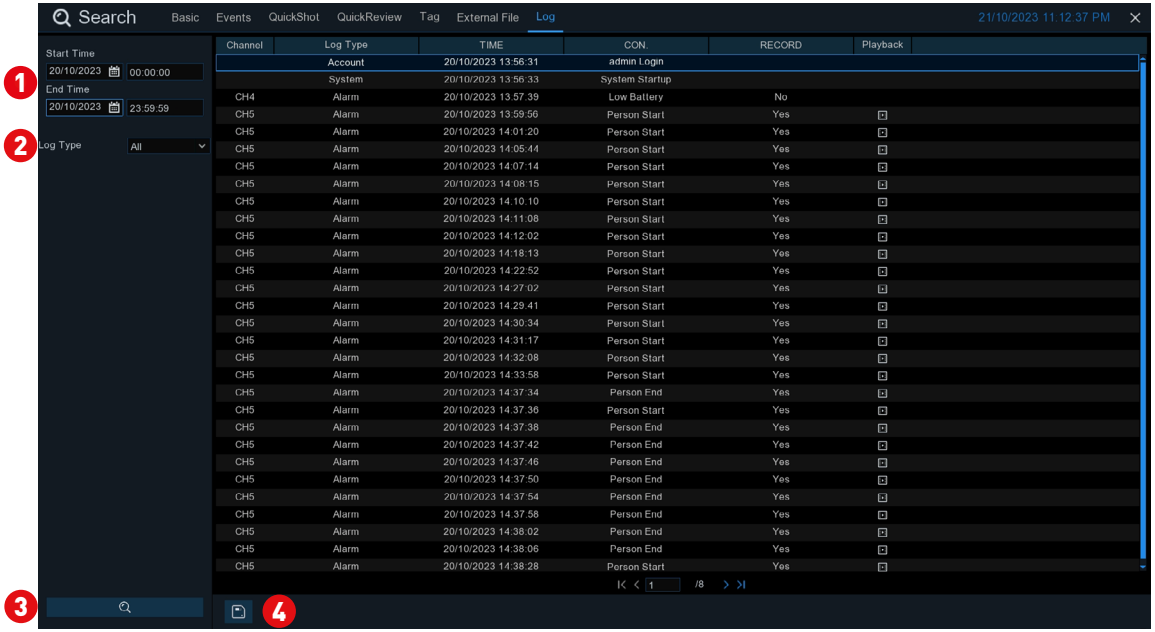


Displays the network settings used by your Power Hub.

If you call our helpdesk for assistance, our staff may ask you to access this tab to assist them in solving any technical issues that you may be having.

Right-click the mouse to exit.

Search: Log



Each action that your Power Hub performs, as well as events detected, are logged. These log files can be searched, viewed, and copied to a USB flash drive for safekeeping.

1 **Start/End Time:** Click the calendar icon to select the month, year, and date that you would like to search on. Click the dialogue box to enter a specific start and end time.

2 **Log Type:** Leave the default selection or click the drop-down menu to select a specific action that you would like to search for.

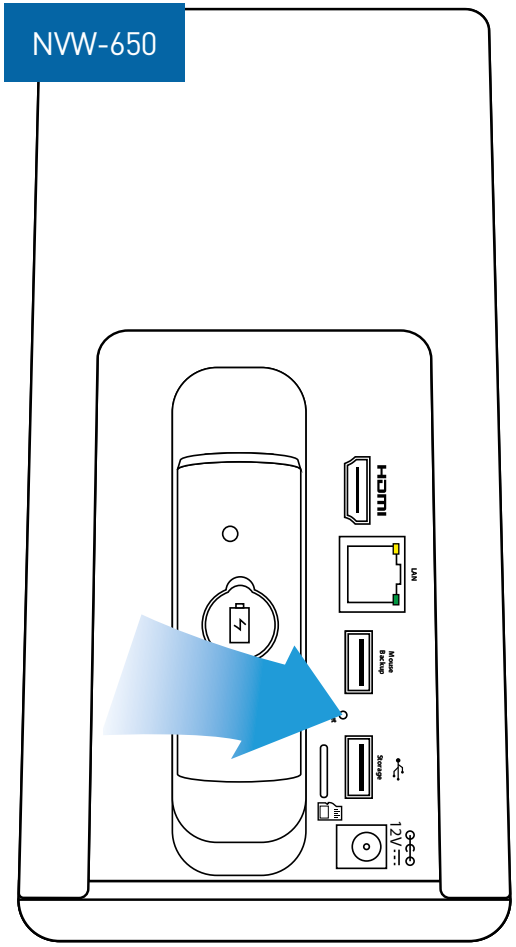
3 **Search:** Click this to display a list of log files that match your search criteria. Double-click a file to display information about that log.

4 **Backup:** Insert a USB flash drive into your Power Hub, then click this to copy the log files that match your search criteria. You have the choice of formatting the flash drive or creating a new folder if required. Click "OK" to save, then click "OK" again to close.

Click for contents

Restoring your Power Hub

NVW-650

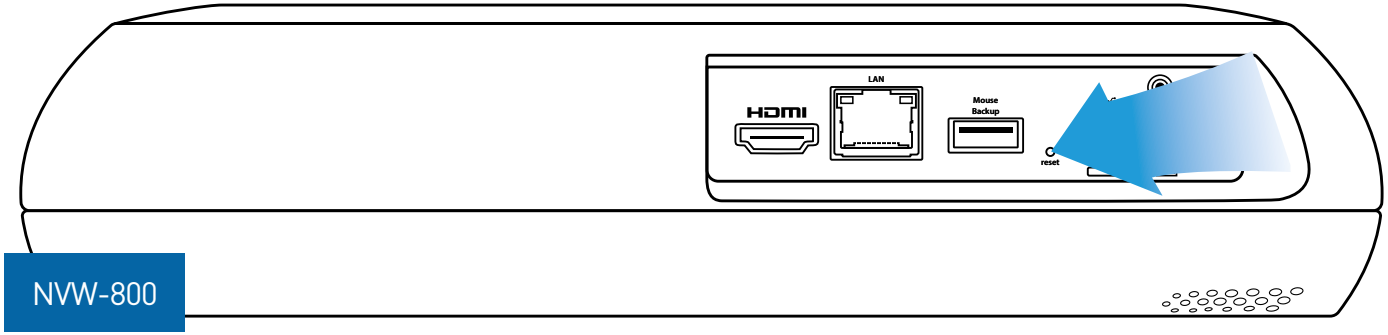


Warning: For security and privacy reasons to stop malicious access, restoring your Power Hub will reset all saved changes to the settings available, **and** the storage device will be formatted as well, removing any saved events.

1. Using a paper-clip or pin, carefully insert this into the port marked "reset". Press and hold until you hear four beeps, then release.

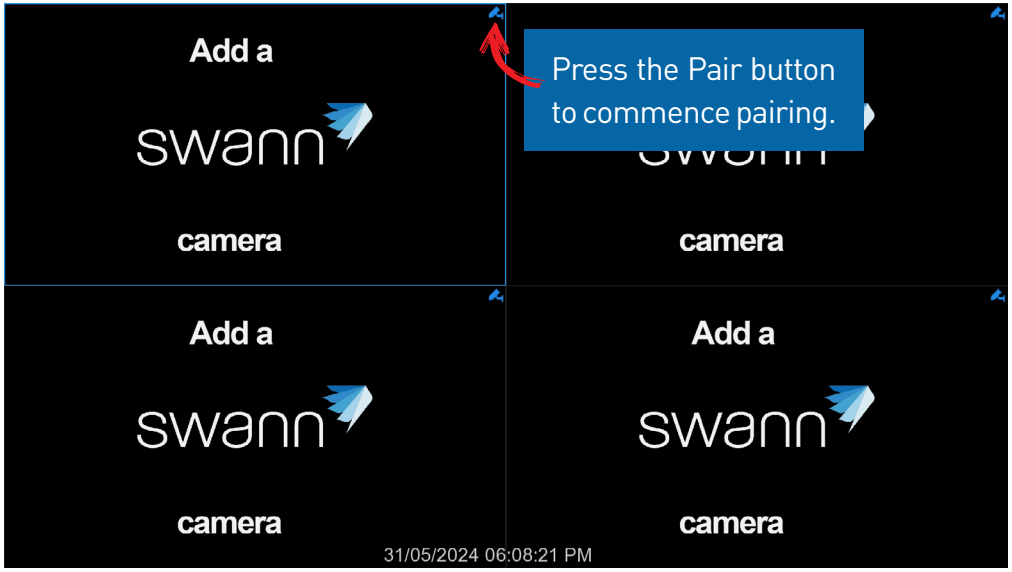
2. After a short moment, a message will appear on-screen, and your Power Hub will reboot. After booting, the Startup Wizard will appear on-screen. Follow the instructions in the red-colored quick start guide included with your Power Hub to complete.

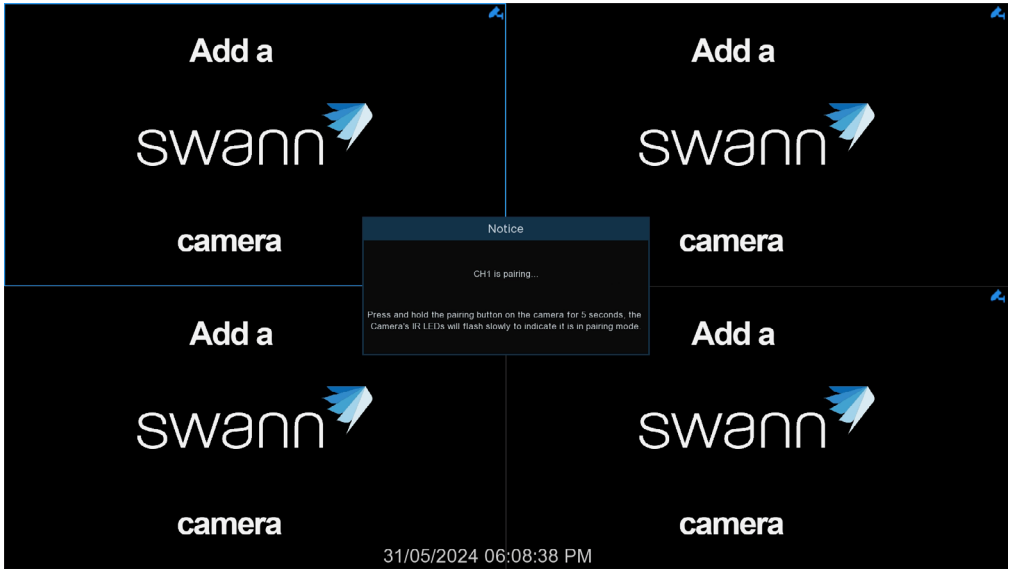
3. After completing the Startup Wizard, you're now ready to pair each camera to your Power Hub (see page 64 - Camera Pairing).



NVW-800

Camera Pairing





After restoring your Power Hub, all cameras previously paired will need to be repaired.

1. In Live View mode, click a channel you want to pair the camera to.

2. Press the blue Pair button to commence pairing. A message will appear stating that you need to press the pair button on the camera (as shown on the bottom left).

3. Press and hold the pair button for 3 seconds, then release. The pairing will commence, and the camera's IR LEDs will start flashing.

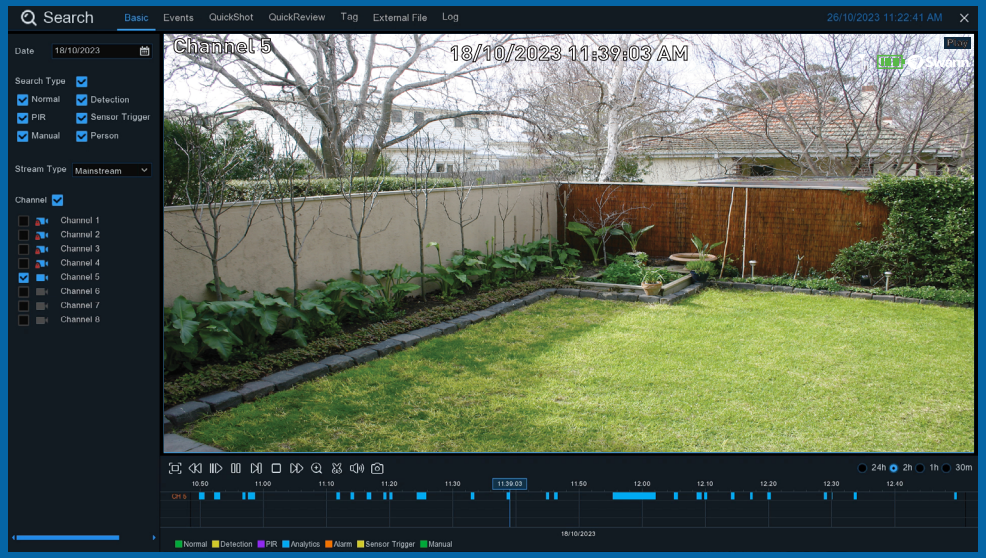
4. After a short moment, the camera will pair, and you will see the camera's image on-screen. If the camera fails to pair, repeat the above instructions, and try again.

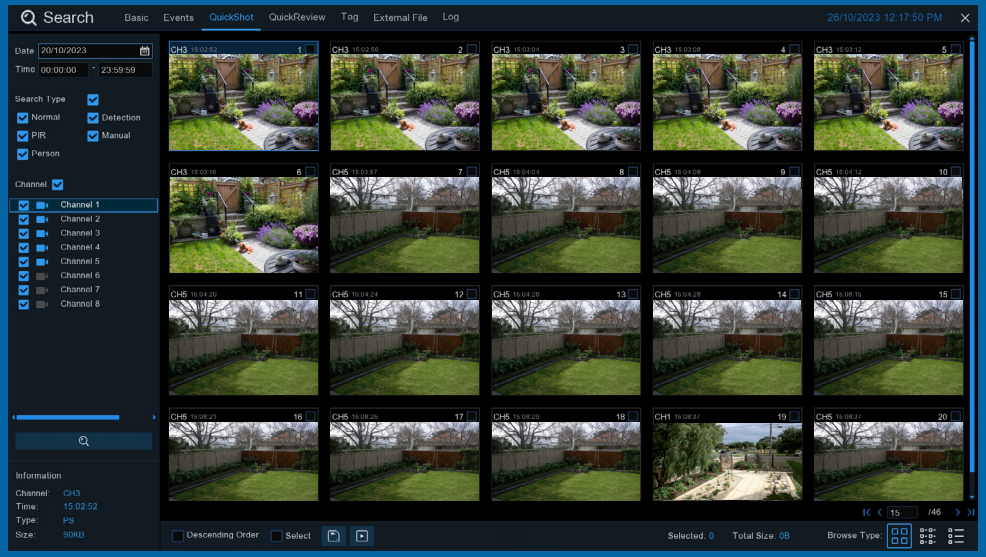
5. Pair the other cameras to each channel available.

Event Playback & Backup

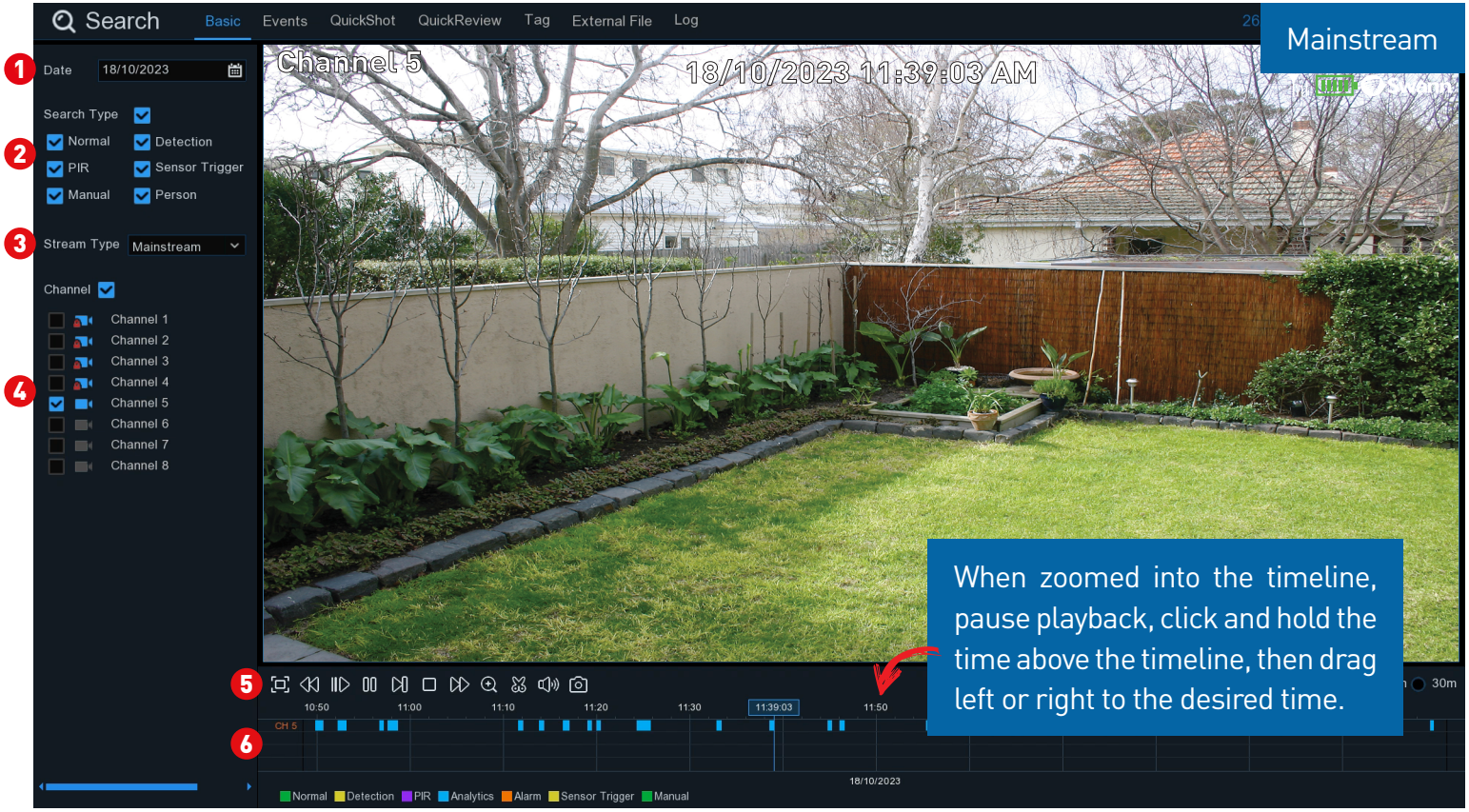
Search allows you to play recorded videos and snapshots saved to your Power Hub's storage device. You can play video that matches your recording schedule, analytic events, and more. The Backup function allows you to save wanted events to a USB flash drive.

Because battery-powered cameras have limited power, your Power Hub gives priority to the Mainstream stream when saving recorded events. It also records a Substream, but sometimes events may not be recorded in this way. That's why when you're looking for events to play back, Mainstream is the default option.





Search: Basic



1 Click the calendar icon to select a date that you want to search on. A red underline on a date indicates recordings on those particular dates.

2 This is the event type that you can search for. You can leave all event types enabled if you want to search for all, or you can select specific event types. Adjust accordingly.

3 For Mainstream, only one camera can be selected for playback. For Sub-stream, a maximum of four cameras can be selected.

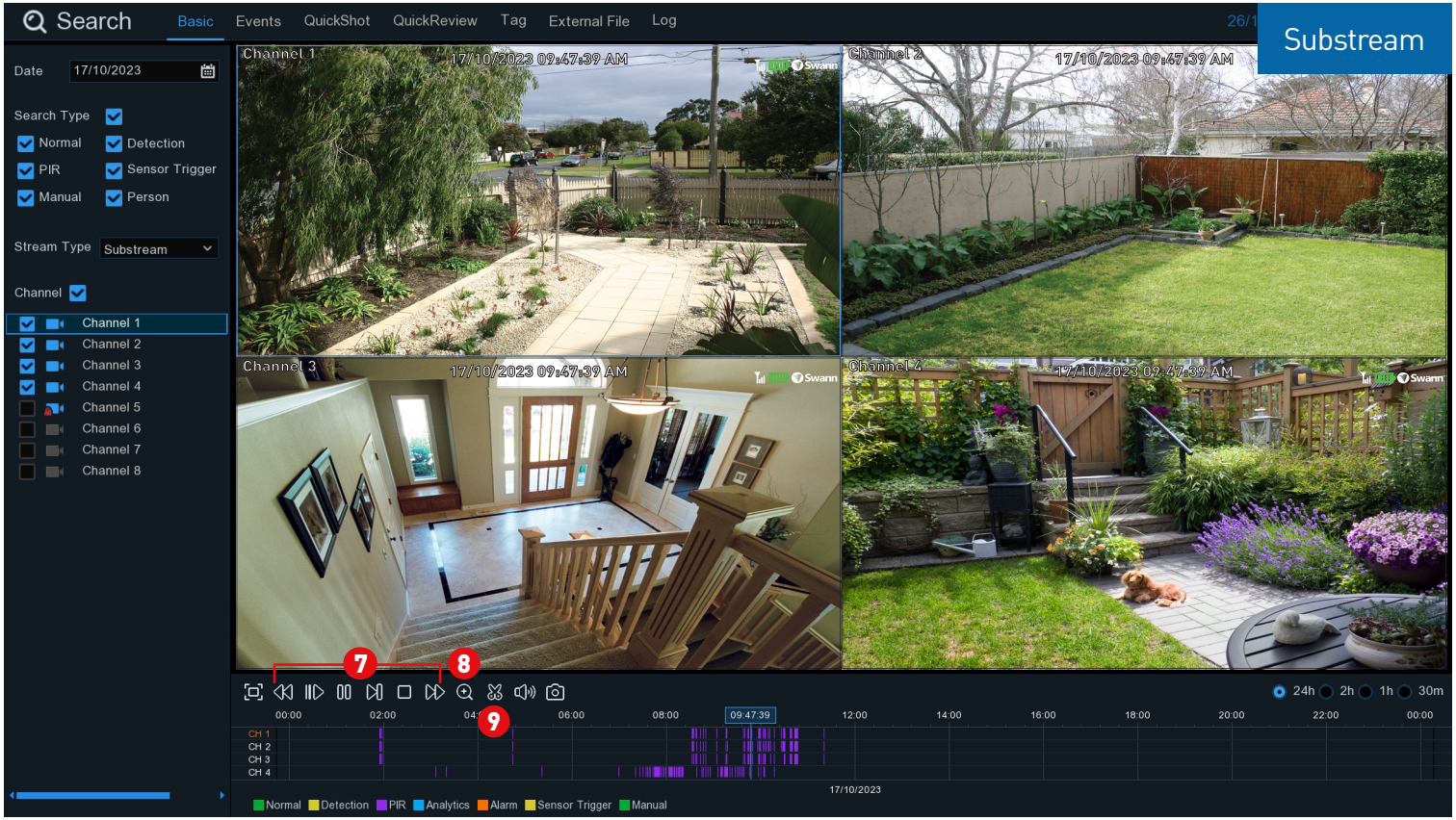
4 Select from one or more cameras to display for playback (a maximum of four cameras can be selected for playback only). A blue camera indicates which cameras match your search criteria.

5 Click this to hide the playback interface to maximize your viewing area (watch full-screen). Right-click to restore.

6 Recordings that match your search criteria will be displayed here.

(continued on next page)

Search: Basic



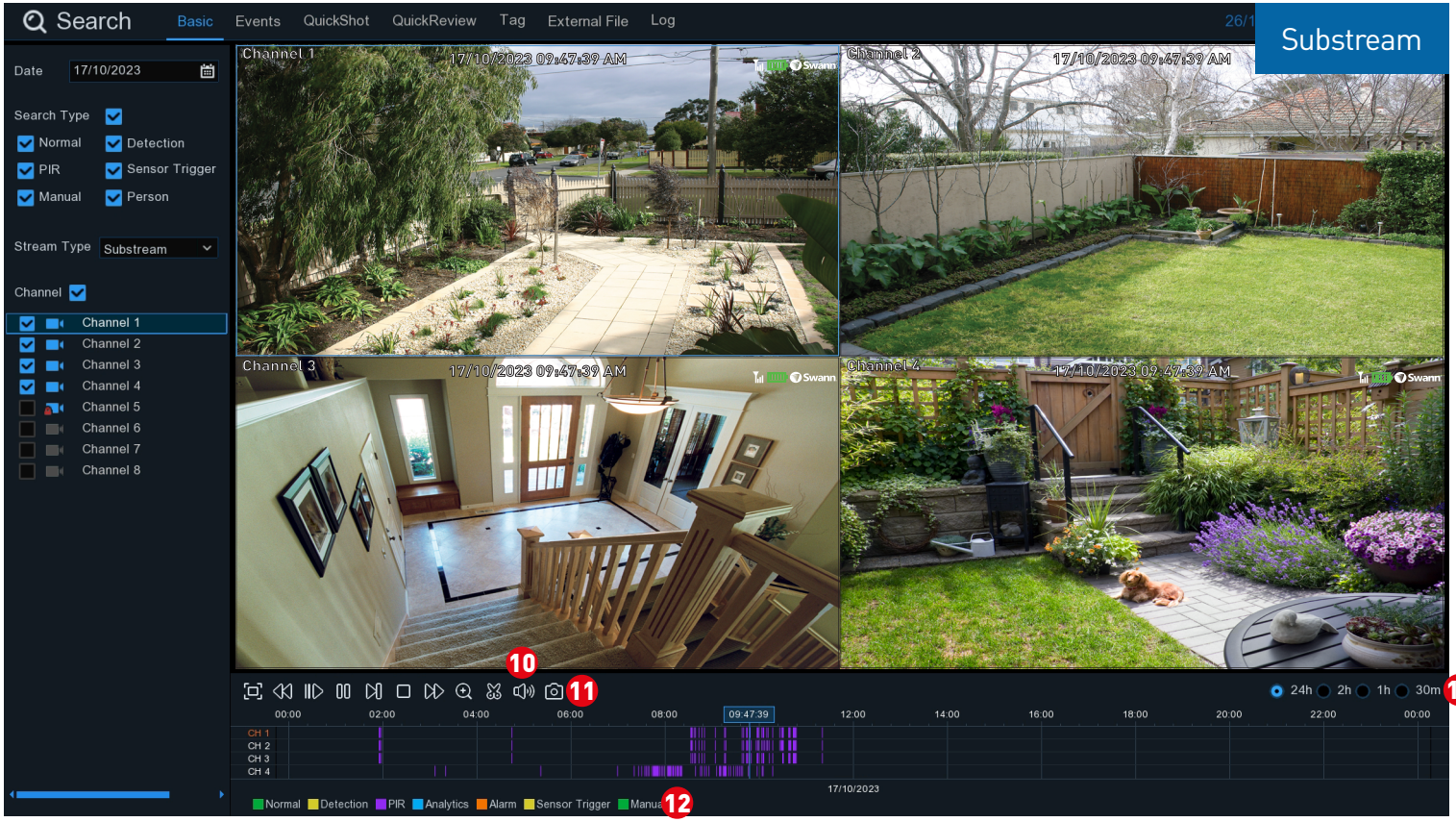
7 From left to right, they are your reverse, slow motion, play/pause, frame advance, stop and fast forward controls. Subsequent presses of the reverse, slow motion, and fast forward buttons will increase the speed of each action.

8 Select a camera, click this button, and then use the scroll button on the mouse to zoom. Use the picture-in-picture screen to select a different area to view. Right-click to exit.

9 This button allows you to edit the video by setting a mark in and mark out points which you can then copy to a USB flash drive. Click on a camera to select it, then press this button. You will see two white triangles on the time-line. Move them left or right on the section of the video that you want to edit. Click the disk icon (Back-up) to save. For the backup type, leave the default selection (MP4) for wider playback compatibility on your computer. Insert a USB flash drive to your Power Hub, then click "Save". Click "OK" to save, then click "OK" when finished.

(continued on next page)

Search: Basic



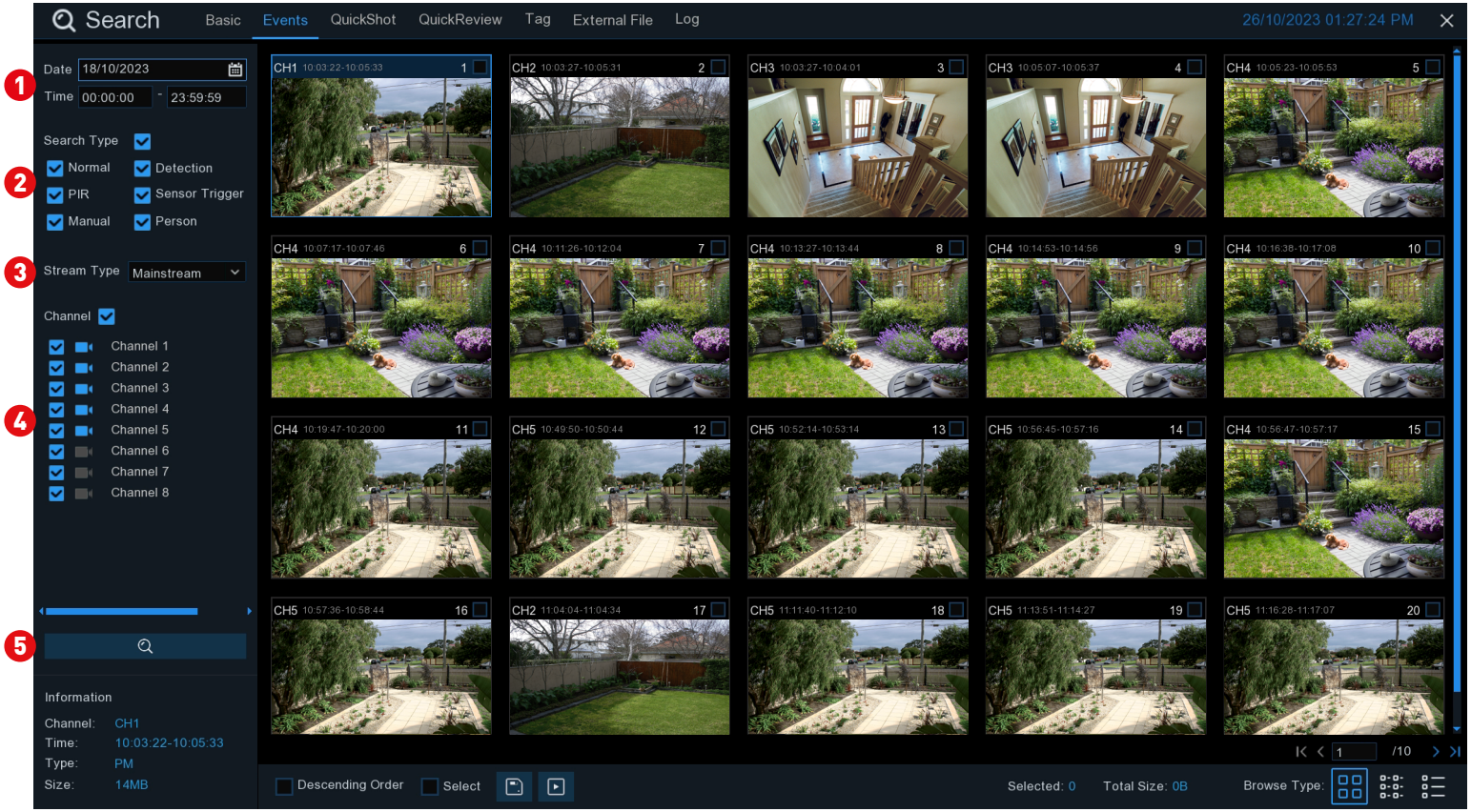
10 Click this button to mute or unmute the audio.

11 This button allows you to save a snapshot to a USB flash drive. Click on a camera to select it, then press this button.

12 Indicates the video type on the timeline.

13 This represents the visible time. Click on a different period to zoom in for precise event selection or to zoom out.

Search: Events (copy events to a USB flash drive)



Use this function to search, play and copy events to a USB flash drive.

1 Click the calendar icon to select a date that you want to search on. A red underline on a date indicates there are recordings on those particular dates. For time, you can search over 24 hours or use the keypad to enter a specific start and end time.

2 This is the event type that you can search for. Adjust accordingly.

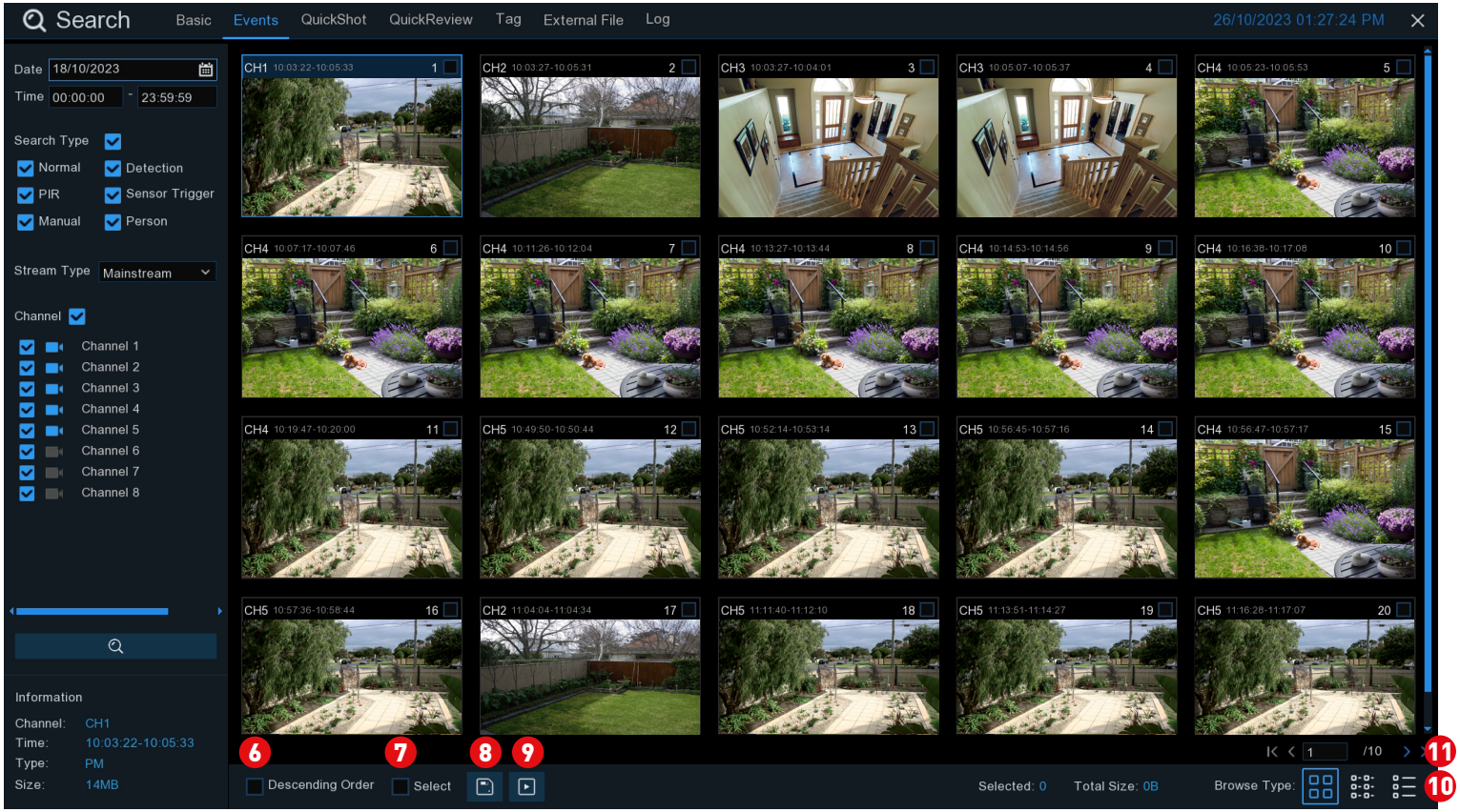
Select Mainstream or Substream to search for (Mainstream will play video at the camera's native recording resolution).

4 Select from one or all cameras that you would like to search on. A blue camera indicates which cameras match your search criteria.

5 Click this button to commence a search. You will see a thumbnail of each event that matches your search criteria. Click the checkbox above each thumbnail to select it.

(continued on next page)

Search: Events (copy events to a USB flash drive)



6 Click the checkbox to view the events in descending order.

7 Click the checkbox to select all events.

8 When events have been selected, click this button to copy to a USB flash drive. For the backup type, leave the default selection (MP4) for wider playback compatibility on your computer. Insert a USB flash drive to your Power Hub, then click "Save". Click "OK" to save then click "OK" when finished.

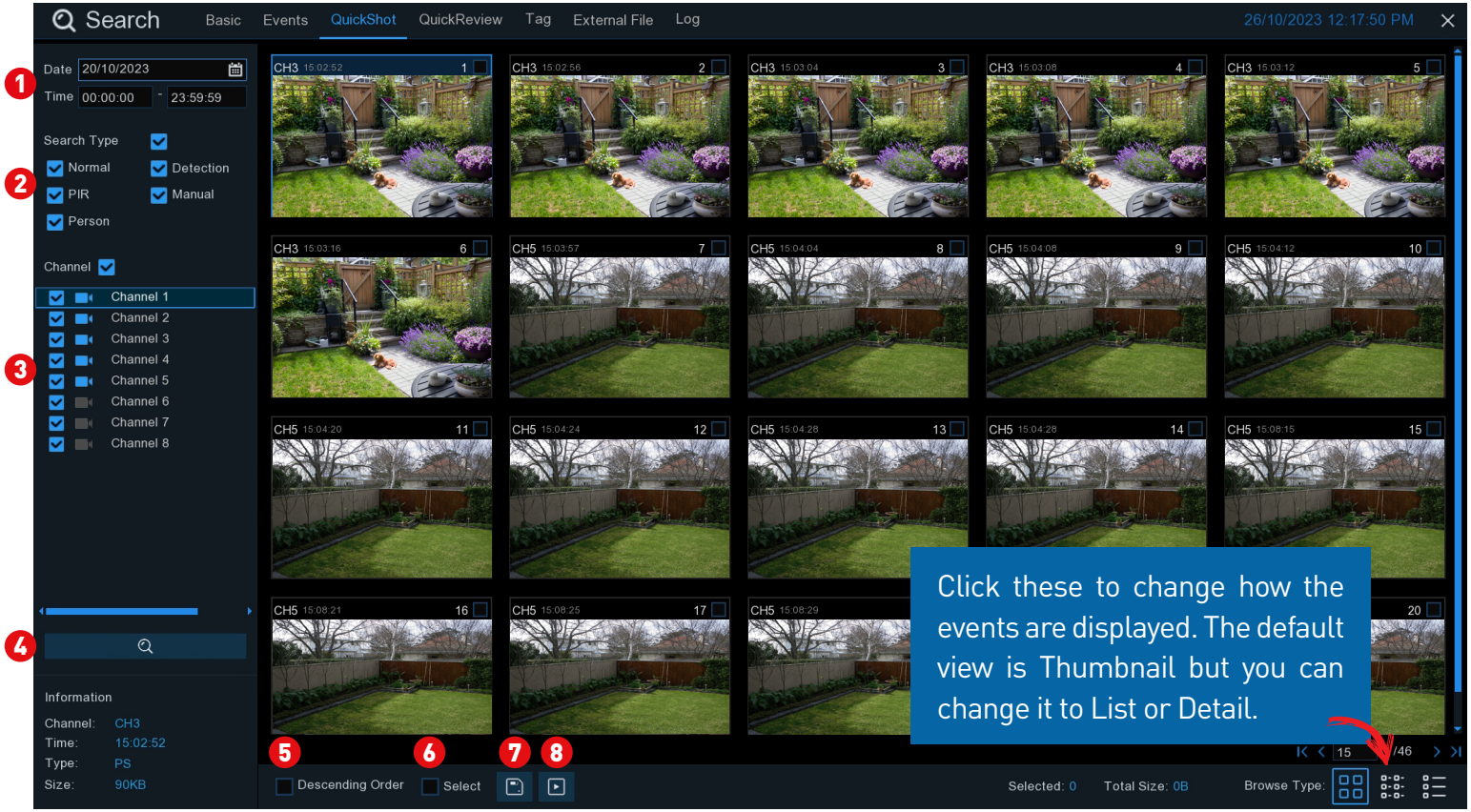
9 Click this button to play a selected event. Right-click to exit.

10 Click these to change how the events are displayed. The default view is Thumbnail, but you can change it to List or Detail.

11 Click these to navigate to a different page available. Use the keypad to navigate to a specific page.

Click for contents

Search: QuickShot (copy snapshots to a USB flash drive)



Use this function to search, play and copy snapshots to a USB flash drive.

1 Click the calendar icon to select a date that you want to search on. A red underline on a date indicates recordings on those particular dates. For time, you can search over 24 hours or use the keypad to enter a specific start and end time.

2 This is the event type that you can search for. Adjust accordingly.

3 Select from one or all cameras that you would like to search on.

4 Click this to commence a search. You will see a snapshot of each event that matches your search criteria.

5 Click the checkbox to view snapshots in descending order.

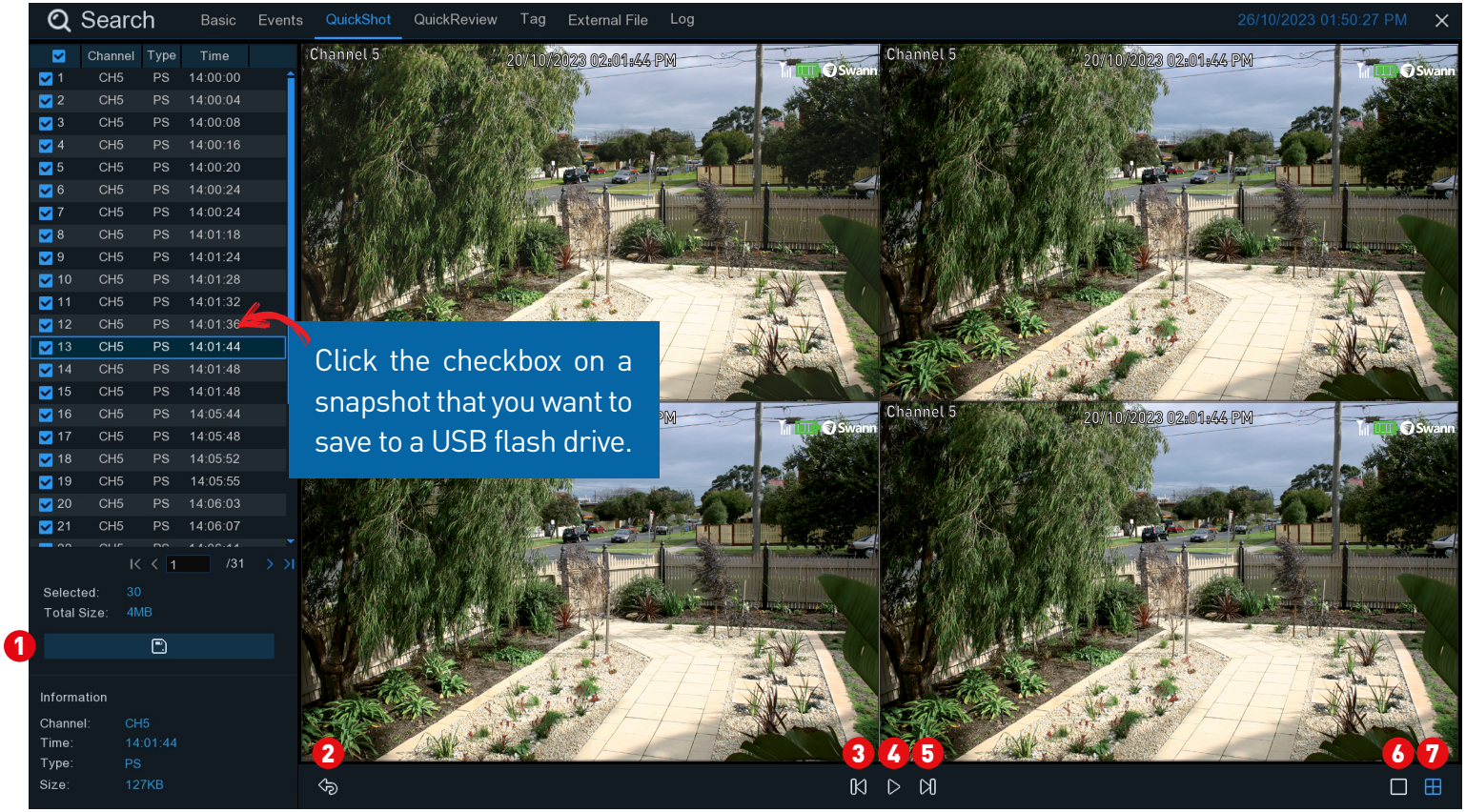
6 Click the checkbox to select all snapshots.

7 Select a snapshot, then click this button to copy it to a USB flash drive.

8 Click this to play a slideshow (see page 72 - Playing a Slideshow).

Click for contents

Playing a Slideshow



1. Select a snapshot, then click this button to copy it to a USB flash drive.
2. Click this to go back to the previous screen.
3. Click this to display the previous group of snapshots.
4. Click this to pause or play a slideshow.
5. Click this to display the next group of snapshots.
6. Click this to view a single snapshot at a time.
7. Click this to view four snapshots at a time.

Click for contents

Search: QuickReview

QuickReview lets you watch different actions happening at the same time on one screen (but only if you're using Substream). It's like splitting your screen into sections. So, if you have a whole day of motion events to watch and you've chosen to split your screen into four parts, each part will show six hours of action.

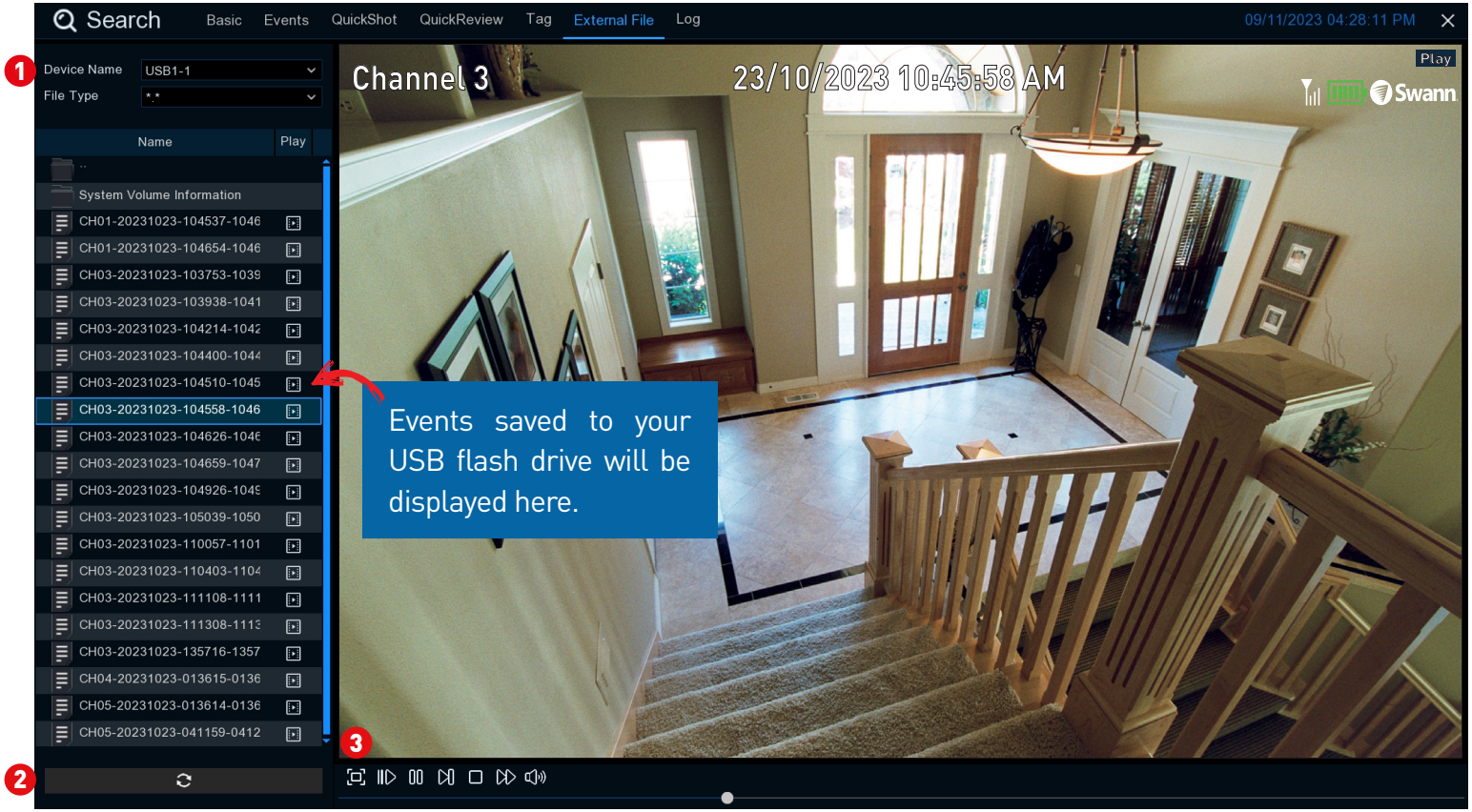
1. Click the calendar icon to select a date that you want to search on. A red underline on a date indicates recordings on those particular dates. For time, you can search over 24 hours or a specific start and end time.
2. Click the drop-down menu to select the preferred split-screen mode.
3. This is the event type that you can search. Adjust accordingly.
4. Change this to Substream.
5. Select the camera that you would like to search on.

Click the "Play" button to play the motion events.

See page 66 for an explanation of the controls on the timeline.

Click for contents

Search: External File



Use this function to play events that you have copied to a USB flash drive.

1 If multiple USB flash drives are connected, click the drop-down menu to select the drive that you want to read from.

2 Click this button to refresh the USB flash drive.

Double-click an event to play.

3 Click this to hide the playback interface so you can maximize your viewing area. Right-click to restore.

Click for contents

FCC Verification

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
- These devices must accept any interference received, including interference that may cause undesired operation

FCC Regulation (for the 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.

Help & Resources

Visit Swann Support Center at support.swann.com. You can register your product for dedicated customer support, download guides, find answers to commonly asked questions, and more.

Support Community

Customer Support

Product Manuals

Frequently Asked Questions

swann
security you can trust

Firmware Version: V8.2.2-20240620

MALLSECURE_600_650_REV4E