f965w

Car Camcorder
User Manual

Contents

Regulatory notices 3
Prohibition of co-location 3
WEEE Notice 3
CE Regulatory Notice 4
Notes on Installation 4
Caution 4

1 Introduction 7
1.1 Features 7
1.2 Package Contents 7
1.3 Product Overview 8

2 Getting Started 9
2.1 Storage Media 9
2.1.1 Insert the Memory Card 9
2.1.2 Remove the Memory Card 9
2.2 Install Camera 10
2.3 Connect to Power 11
2.4 LED Indicator 11
2.5 Powering the Camcorder On / Off 12
2.5.1 Auto Power On/Off 12
2.5.2 Manual Power On/Off 12
2.6 Initial Settings 13
2.6.1 Set the Date / Time 13

3 Using the Car Camcorder 14
3.1 Automatic Record 14
3.2 The Recording Screen 15
3.3 Emergency Recording 16
3.4 Picture in Video 17
3.5 Driver Fatigue Alert 17

3.6 Parking Mode 18
3.7 Collision Detection 18
3.8 Playback Videos and Photos 19
4 Set up Go Carcam App 20
4.1 Download and installation 20
4.2 Wi-Fi connection 21
4.3 Use Go Carcam app 22
4.3.1 Main Screen 23
5 Adjust the Settings 25
6 Specifications 27

About this Guide

The content in this document is for information purpose and is subject to change without prior notice. We have made every effort to ensure that this User Guide is accurate and complete.
However, no liability is assumed for any errors or omissions that may have occurred.
The manufacturer reserves the right to change the technical specifications without prior notice.

Regulatory notices

This document provides country- and region-specific non-wireless and wireless regulatory notices and compliance information for your product. Some of these notices may not apply to your product.

Prohibition of co-location

This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

WEEE Notice

Disposal of Waste Electrical and Electronic Equipment and/or Battery by users in private households in the European Union

WEEE

Battery

This symbol on the product or on the packaging indicates that this cannot be disposed of as a household waste. You must dispose of your waste equipment and/or battery by handling it over to the applicable take-back scheme for the recycling of electrical and electronic equipment and/or battery. For more information about recycling of this equipment and/or battery, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

CE Regulatory Notice

The product herewith complies with the requirements of IEC62368-1:2014, the EMC Directive 2014/30/EU, the RED-Directive 2014/53/EU and the RoHS Directive 2011/65/EU.
EU Health Protection: This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Notes on Installation

1. Please measure the front windshield viewing area, make sure not to block driver's front view, install the camcorder below the rearview mirror (the central, higher right position of the front windshield). And we recommend that the sky and the land occupied by the screen 50%, fix the car holder and then adjust the camcorder so that the lane is aligned with the screen.
2. Make sure that the lens is within the wiping range of the windscreen wiper to ensure a clear view even when it rains.
3. Do not touch the lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or pictures. Clean the lens on a regular basis.
4. Do not install the camcorder on a tinted window. Doing so may damage the tint film.
5. Make sure that the installation position is not hindered by the tinted window.
6. This product is suitable for light windshield or light color heat-resistant film windows , it will affect video quality if install it on the dark windows or dark heat-resistant film windows.
7. Use the products of the attached power charger only, please do not use other brand power charger, in order to avoid equipment burn.

Caution

- Due to local laws and vehicles safety considerations, do not operate the camcorder while driving.
- Set up time and date accurately before you use this camcorder.
- The firmware function in the camcorder is for reference only, drivers are advised to exercise discretion based on actual road conditions.
- The values displayed in this camcorder, such as speed and position, may be inaccurate due to the influence of surrounding environment. They are for your reference only.

- This product is used only for non-commercial use, within the maximum limits permitted by applicable law. We do not take any responsibilities for the loss of use of the product.
- This camcorder gets warm when in use; this is normal.
- Improper use or operation of the product may result in damage of the product or its accessories and void the warranty.
- Wi-Fi Signals are unable to pass through the building. The max limit of signal transmission is 5m.
- Wi-Fi Operation Channel: Ch1~Ch13
- The product employs wireless data communication which may interfere, or be interfered by, a near-by camcorder.
- Never use this camcorder in the vicinity of a microwave oven or at places where there is radio interference.
- Radio wave reception may be worsened in specific environments.
- Please be advised that if another camcorder is also using the same 2.4GHz as this product, the processing speed of both camcorders may slow down.
- The radio frequency (RF) generated by this RF electronic camcorder may cause adverse effects on the operation of other electronic camcorders and result in malfunctioning. Wireless transmitters and circuitry may also interfere with other electronic camcorders. Therefore, do observe the following precautions:
    - Aircraft: Never use a radio transmitter when you are in an airplane. Please switch off the Wi-Fi function of the camcorder.
    - Vehicle: The radio frequency transmitted by this camcorder may affect the electronic system in a motorized vehicle. Please consult the manufacturer or dealer of your vehicle on the possible effect.
    - Pacemaker: In order to prevent any potential interference to a pacemaker, anyone who uses a pacemaker should be advised, that, when using this camcorder, a minimum distance of 15cm (6 inch) should be kept between the camcorder and the pacemaker; and never put this camcorder in a chest pocket. In case of any doubt of interference, switch off the camcorder immediately.
    - Medical Camcorder: If you use a personal medical camcorder, consult the camcorder manufacturer or your physician to confirm if your camcorder is sufficiently shielded from the RF transmission of this camcorder.

- Medical Facilities: Hospitals and medical institutes may use facilities that are sensitive to an external RF energy. Observe such instructions when the medical care personnel or any posted sign requests you to switch off any camcorder that may interfere the radio frequency.
- Explosion sites or any location with a posted sign: In order to prevent interfering with an explosion activity, observe all the signage and instructions in the Explosion Area or in a zone with a "Switch Off 2-way Radios" sign by switching off camcorders that may interfere with the radio frequency.

❖ Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

❖ Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

❖ HP Inc. is NOT responsible for the loss of any data/content during operation.

Before you start using the system, it is assumed that you agree to the above statement.

1 Introduction

Thank you for purchasing this advanced Car Camcorder. This product is specifically designed for real time video recording when driving. It also supports a rear camera. You might ask distributor for further information.

1.1 Features

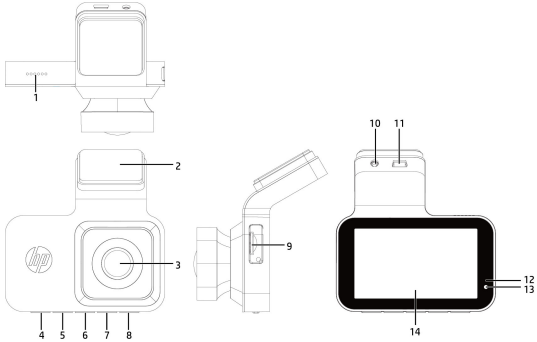
- High resolution 2K (2560x1440)
- 3" TFT-LCD color screen
- Wide angle lens
- Built-in Wi-Fi
- Collision Detection, when a collision is detected, the camcorder will automatically trigger the emergency recording
- Parking Mode

1.2 Package Contents

The package contains the following items. In case there is any missing or damaged item, contact your dealer immediately.

Car camcorder f965w	Electrostatic sticker	Car charger
Rear Camera(option)	E-manual	

1.3 Product Overview



No.	Item
1	Speaker
2	Bracket
3	Wide Angle Lens
4	Menu/Return (☰ / ↩)
5	Snapshot/Up/Left (📷 / △ / ◁)
6	Power / Switch Camera Preview (⏻)
7	Voice Record/Down/Right (MIC/ ▽/▷)

No.	Item
8	Emergency Recording / Confirm (⚠/ OK)
9	Memory Card Slot
10	Rear Camera Connector port
11	Power Connector Port
12	Microphone
13	LED Indicator
14	LCD Color Screen

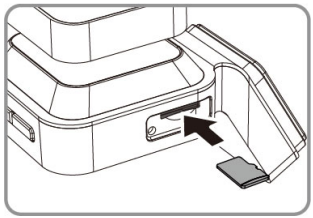
Note:
Press the button (4~8) to operate the device.

2 Getting Started

2.1 Storage Media

2.1.1 Insert the Memory Card

Insert memory card with the pins facing forward, see the picture as below:



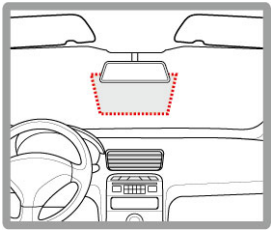
2.1.2 Remove the Memory Card

If the camcorder is power on, please power off first and wait for the procedure of switching off the camcorder completed before removing the memory card.

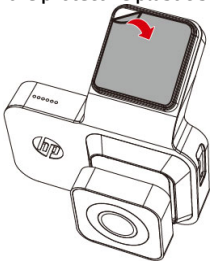
Note:
1. Do not remove or insert the memory card when the camcorder is turned on. This may damage the memory card.
2. Suggest to use microSD class V30 and memory storage 16GB or higher (support up to 128GB).
3. Please use this camcorder to format the micro SD cards before the initial use. The formatted file type for this camcorder is FAT32 file.
4. Periodically format the microSD card (recommended period: once a month).

2.2 Install Camera

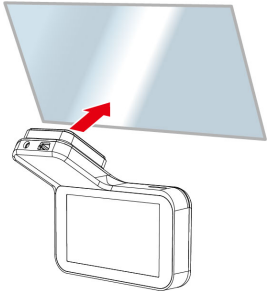
1. Put the electrostatic sticker onto the suggested area on the windshield. Before putting the sticker, please wipe and clean the windshield. During the installation, please make sure the bubbles in between the sticker and the window are all gone.



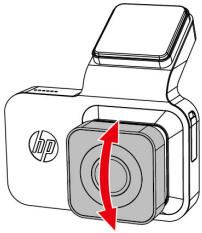
2. Peel off the protective plastic sheet from the adhesive bracket.



3. Place and press the bracket firmly onto the electrostatic sticker on the windshield window. Make sure the base is securely locked in place.

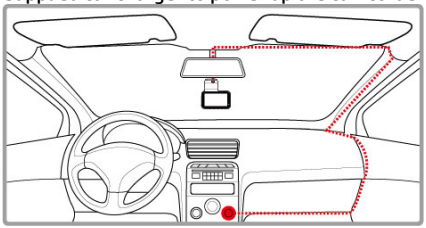


4. Adjust view angle.



2.3 Connect to Power

Use only the supplied car charger to power up the camcorder.



1. Connect one end of the car charger to the USB connector of the camcorder. USB port input: DC 5V / 2A.
2. Plug the other end of the car charger to the cigarette lighter socket of your vehicle. Once the vehicle engine is started, the camcorder automatically powers on. Car charger input: DC 12 / 24V.

2.4 LED Indicator

Status Explanation	LED Indicator Color
Power on, standby	Solid Red Light
Recording/ Recording and screen off	Flash Red Light

2.5 Powering the Camcorder On / Off

2.5.1 Auto Power On/Off

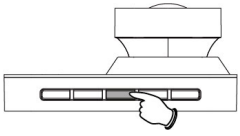
Start the car engine, wait a few seconds to charge the camcorder, and then screen will light up and the camcorder will automatically power on and start recording.

Once the vehicle engine shuts down, the camcorder automatically saves the recording and turns off the power.

Note: The camcorder is built-in with super capacitor. When start the engine, please wait a few seconds to charge the camcorder, and then it will auto power on and start recording.

2.5.2 Manual Power On/Off

To manually turn on the power, long press the **POWER** button for 3 seconds.



2.6 Initial Settings

Before using the camcorder, we recommend you setup the correct **Date and Time**.

Note:
Please note that if you tap the icon during recording, the system will stop recording and enter OSD menu. Make sure the recording is already stopped then continue operating the menu.

2.6.1 Set the Date / Time

To set the correct date and time, do the following:

1. Press button to enter the OSD menu, and select **Setting** to enter.
2. Press or button to select **Date/Time** and press OK button to enter.
3. Press or button to increase or decrease numbers and press OK button for confirmation and enter to next column.
4. Repeat step 3 until all setting done.

Note:
To ensure the accuracy of the video file time, please reset the date and time when not in use over 7 days.

3 Using the Car Camcorder

3.1 Automatic Record

Start the car engine, wait a few seconds to charge the camcorder, and then screen will light up and the camcorder will automatically power on and start recording.
Recording will automatically stop when the engine is switched off.

Note:
1. Some vehicle power supply would not turn on / off automatically with the car engine start, if the camcorder cannot automatically power on/off with the car engine, please manually connect the power supply with the vehicle power, and then power on, or manually power off the camcorder and then release the connector with the car power supply.
2. It can be configured to save a video file for every 1, 2 or 3 minutes of recording.
3. All the videos and photos are saved in the memory card, if memory card is full, loop recording will generally overwrite the oldest video file.
4. The camcorder is built-in super capacitor. After start the car engine, please wait a few seconds for charging the camcorder, and then the camcorder will automatically power on and start recording.
5. When rear cam is connected, the setting of 1440p(2K) will automatically down to 1296p, or the 1296p down to 1080p.

3.2 The Recording Screen

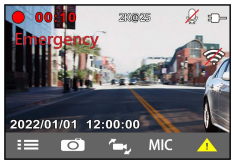
No.	Icon	Item	Description
1	00:10	Recording Duration	Indicates the video current duration.
2	2022/01/01 12:00:00	Date / Time	Indicates the current recording date and time.
3		Menu	Tap this icon or press button to enter the OSD menu.
4		Capture	Tap this icon or press button to capture video screen shot.
5		Switch Camera	Tap this icon or press button to switch front or rear camera screen.
6	MIC	Voice Record	Tap this icon or press button to turn on or off voice record.
7		Emergency Recording	Tap this icon or press button to manually activate emergency recording.

8	SHD@25	Resolution icon	Indicates the video resolution.
9		Voice Record icon	Indicates voice recording sets as off, the sound will not be recorded.
10		Power icon	Indicates camcorder is connected with power.
11		Wi-Fi icon	Wi-Fi on Wi-Fi off
12		VIV (Video in Video)	Indicates rear camera recording screen.

3.3 Emergency Recording

To Start the Emergency Recording, do the following:

1. During Video Recording, press the ⚠ button to enter emergency recording mode, the “Emergency” will show up on the upper left corner of the screen. The recorded file will be protected.



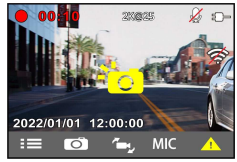
2. The emergency video recording length is same as the recording interval setting. When the emergency recording length reaches the setting, the system will return to the general recording mode.

Note:
1. If the ***Collision Detection*** function is enabled and a collision is detected, the camcorder will automatically trigger the emergency recording. The sensitivity can be adjusted from “Setting”.
2. The emergency file is created as a new file and saved in Emergency folder, which will be protected to avoid being overwritten by normal loop recording. The Emergency folder will occupy 20% of available memory card capacity. When the Emergency folder is full, the oldest emergency file will be automatically deleted by the newest emergency file.

3.4 Picture in Video

You can also use this camcorder to take snapshots of the current scene.

1. In recording status, press button to capture recording screen shots.
2. When the icon shows in the central of screen, it means the screenshots is completed.



Note:
1. The screen shots image resolution quality is depending on the video resolution setting.
2. The picture resolution is limited by the speed of the target object and changes in ambient lighting. The photograph function is better used for taking still pictures in accident scenes or when the car is stopped to wait for a traffic light.
3. Support single camera photoshoot. Photo will be taken for either camera's preview screen.

3.5 Driver Fatigue Alert

If the **Driver Fatigue Alert** function is enabled, this product produces audible alert and screen message one hour after it has begun recording and repeats the alerts every half hour afterwards.
To enable the Driver Fatigue Alert, do the following:

1. Press button to enter the OSD menu and choose **Setting**.
2. Press / button to select **Driver Fatigue Alert**, and press OK button to enter the setting.
3. Press / button to select **ON**, and press OK button to activate.
4. Press button to return to preview screen.
5. The alarm icon will show up to remind you to take a rest from long distance driving.

3.6 Parking Mode

To monitor the vehicle when it is parked, you can activate **Park Mode**. ***Before you activate Parking Mode, please install ACC cable through professional car service shop.***

Follow the steps below to set up Parking Mode:

1. Press button to enter the OSD menu. Recording will be stpped.
2. Choose **Parking Mode** and press OK to enter the setting.
3. Press / button to select **ON**, and press OK button to activate.
4. Press button to return to preview screen.
5. When the setting is finished, disconnect ACC, the camcorder will enter Parking Mode automatically. When a collision is detected, the device will auto power on and trigger Emergency Recording for 30 seconds.

Note:
1. ACC cable is not included in the package. Please ask for more information from your distributor.
2. When in Parking Mode, if the device detects low voltage of battery, the device will automatically power off to save the battery.
3. Parking Mode supports dual cam recording.
4. Emergency recordings will be saved in the "Emergency" folder and will not be overwritten by the normal looping recordings.

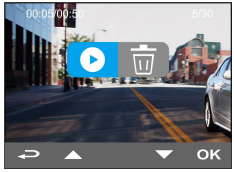
3.7 Collision Detection

If the **Collision Detection** function is enabled, this camcorder begins emergency recording once it detects any collision. Sensitivity of the Collision Detection function is set to Normal by default, if user wants to change the settings of Collision Detection, do the following:

1. Press button to enter the OSD menu.
2. Select **Setting** and press OK button for confirmation.
3. Press / button to select **Collision Detection**, and press OK button for confirmation.
4. Press / button and select the **High**, **Middle** or **Low** sensitivity.
5. Press button to return recording screen.

3.8 Playback Videos and Photos

1. Press ☰ button to enter the OSD menu and select **File Browser**.
2. Press ◁/▷ button to select **Video**, **EMER**, or **Picture** folder and press OK button to enter.
3. Press ◁/▷ button to select **FRONT**, or **REAR** folder and press OK button to enter.
6. Press ◁/▷ button to select the desired file and press OK button to playback.
7. When playback the file, press OKbutton will pop up below image. The file can be deleted if no more needed.



Note:
1. The file cannot be recovered. Make sure you have backup all the files before deletion.
2. Use dual cam recording, no matter you select FRONT or REAR to delete, both files will be deleted.

4 Set up Go Carcam App

4.1 Download and installation

The camcorder allows you to connect to the smart phone via the app.

When using for the first time, install the [**Go Carcam**] app for your smart phone.

1. Scan below QR code or download **Go Carcam** app from Google Play or App Store.

iOS	Android

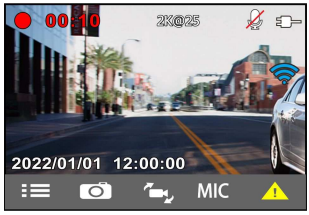
2. Install the app.

APP layout and features may be changed subject to different software versions. Please refer to Google Play or APP Store for update.

4.2 Wi-Fi connection

1. In the recording screen, tap icon to stop recoding and enter menu. Select **Wi-Fi** and turn it on. Press OK to activate it.
2. Using the Wi-Fi function of your smart phone, search for the camcorder ID “hp_f965w_xxxx” from the list (last 4 numbers are system random numbers). Enter default password 12345678.

3. The Wi-Fi icon will turn color to blue, and your connection has been successfully established.



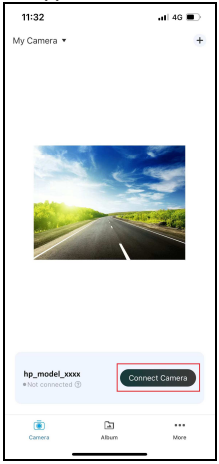
Note:
1. The smart phone shall be within a maximum of a 5m distance from the camcorder without any buildings in between.
2. When the Wi-Fi function of the camcorder is ON but not yet connected with your smart phone, or the connection is disconnected, the Wi-Fi icon on camcorder’s screen will be white.
3. After connecting the smart phone with the camcorder, and activate app feature, all the button operation of the camcorder will be disable; all the operations shall be carried out via the Go Carcam App.
4. The language of the Go Carcam app will be consistent with your smart phone, beyond the language options, the app will be activated with default language.
5. When Wi-Fi is connected, the set resolution 2K or 1296p will be down to 1080p automatically. It will resume to 2K or 1296p when Wi-Fi disconnected.
6. Supports OS: Android 9.0 or higher, iOS 13 or higher, Harmony 2 or higher.

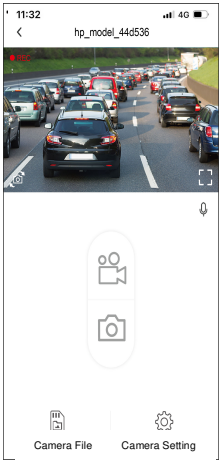
4.3 Use Go Carcam app

Tap [Go Carcam] icon to activate the application. For the first time use, please check and agree all the authorization in order to use the application. Then, follow the instruction to add your camcorder into your app. After setting is completed, the main screen will pop up as below.

4.3.1 Main Screen

Tap “Connect Camera” to enter the app main screen. Tap the icon to start to use app.





icon	Description
	Main Screen
	Album: You can use this feature to playback or delete the file that you download in your smart phone. The files in the Album can be reviewed without connecting with camcorder.
	More: setting app language, feedback questions, check app version
	Start/Stop recording
	Snapshot
	Switch Camera

	Full Screen Preview
	Voice Record On/Off
	Camera File (check the files in microSD)
	Camera Setting

5 Adjust the Settings

In the recording screen, press button to enter Menu, and use / button to select Setting and press OK button to enter camera setting. Then, use / and OK buttons to adjust the setting.

Followings is available menu options.

Menu	Description	Available option
Record Interval	Set the recording duration for each recorded video file	1 min/ 2 min/ 3 min
Resolution	Setting of video resolution. ***Note:*** When Wi-Fi is connected, the resolution 2K or 1296p will be down to 1080p automatically. When Wi-Fi is disconnected, it will resume 2K or 1296p. ***Note:*** When rear cam is connected, the resolution 2K will be down to 1296p, and the 1296p will be down to 1080p automatically.	2K / 1296p / 1080p
Voice Record	Setting for voice record in the video.	On / Off
Voice Commend	Activate Voice Commend. ***Note:*** It supports Mandrin only.	On / Off
Collision Detection	The camcorder will automatically trigger emergency recording when tremor of a collision is detected. The sensitivity level can be adjusted.	Off / Low / Middle / High
Language	Set the on-screen display menu language	According to ship to area
LCD Setting	Set LCD off time. Camcorder screen will be off after a set time if no operation is detected. Touch the screen or press power button will switch it on. (Recording is not affected when screen is off).	On / 7 sec off / 1 min off / 3 min off
Date/time	Set up date and time	
Volume	Adjust volume.	1 ~ 10
Key tone	To turn on or off key tone.	On/ Off

Menu	Description	Available option
Anti-flicker	Reduce flicker on LCD	60Hz / 50Hz
Driver Fatigue Alert	When Driver Fatigue Alert is enabled, audible alert and screen message will be activated 1 hour after the camcorder is powered on, with a repetition every 30 minutes.	On/ Off
APP download	QR code to download app	
Default	Reset the camcorder to the initial factory default settings.	Yes / No

6 Specifications

Item	Description
Image sensor	1/3” CMOS sensor
Effective pixels	2560 (H) x 1440 (V)
Storage media	Supports microSD class V30 or higher
LCD display	3” LCD color TFT
Lens	Wide Angle Fixed Focus lens Aperture: Up to F/1.5
Focus range	1.5m~Infinity
Video	Resolution: 2K(1440P)/25 fps、1296P/25fps、1080P/ 25 fps
	Format: MOV
Still image (Photograph)	Resolution: depends on video resolution setting
	Format: DCF (JPG)
Shutter	Electronic shutter
G-Sensor	3-Axis G-Force sensor
ISO	Auto
White Balance	Auto
Microphone	Built-in
Speaker	Built-in
Interface	Mini USB, A/V
Power	Super Capacitor
Operating Temperature	0° ~ 60° C

Item	Description
Operating Humidity	20 ~ 70% RH
Storage Temperature	-20° ~ 70° C
App Supports OS	Android 9.0 and above iOS 13 and above Harmony 2 and above
Dimensions	86 x 88 x 69.8 mm
Weight	Approx. 100g

Built-in IEEE 802.11g/n(HT20) Wi-Fi chip: RTL8188FTV

Frequency range	2.4GHz: 2412~2472MHz
Wi-Fi Channel	CH1~CH13