
User Manual



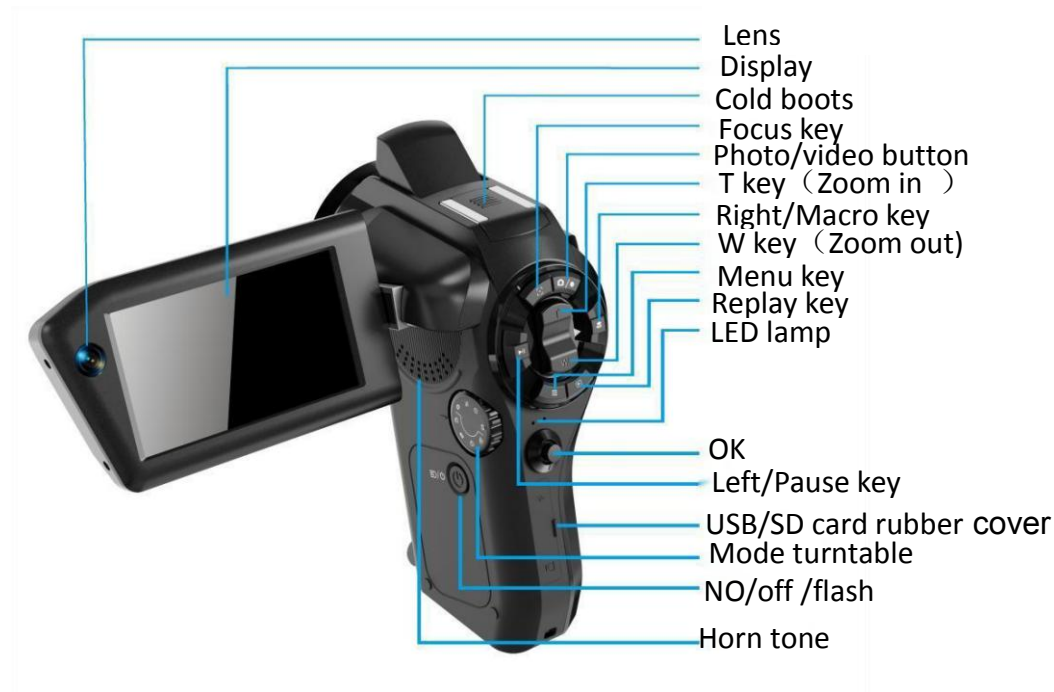
Digital Video

CDV02

Directory

1.0 Buttons and Overview.....	1
2.0 Camera Settings Menu Explanation.....	6
3.0 Introduction to Camera Functions	7
4.0 Connecting to a Computer.....	21
5.0 Technical Specifications	23
6.0 Usage Notices	24

1.0 Get to Know Your Camera





The use of cameras

Operating the Battery Door

1. Follow the direction indicated by the arrow on the battery cover, pull the switch to the left and slide the battery cover down.
2. Insert the battery into the battery box according to the positive and negative pole markings on the battery.
3. Close the battery cover and push it upwards to lock it automatically.



Installing the Memory Card

1. Open the Type-C /Micro SD/ microphone cover, place the Micro SD card facing the screen, and insert it into the Micro SD card slot.

2. To remove the Micro SD card, simply press it inward to eject the card.。

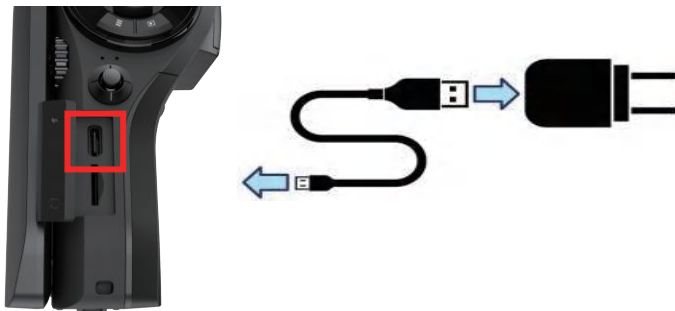
NOTE:

- **Format the memory card before using the camera (Caution: this will erase all data on the card).**
- **Do not remove or insert the memory card when recording. It may damage the card or cause data loss.**
- **Memory card rating must be Class 6 or above.**
- **Maximum capacity MicroSD supported is 128GB.**



Charging the Battery

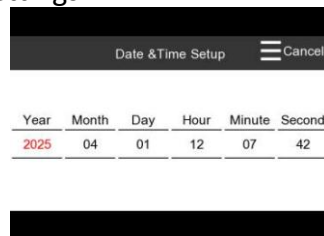
1. Connect your camera to the included AC adaptor and USB-C cable.
2. Insert the small end of the USB plug into the camera's USB-C port under the protective door as shown in the figure below.
3. Plug the larger end into the included AC adaptor. While charging, the LED indicator light will light up solid red and will turn off once charging is completed.



Powering the Camera On and Off

1. Install the battery, turn on the display screen, the blue indicator light will come on, the display screen will light up when turned on, and there will be a startup sound.

2. When the device is turned on, hold down the power button to trigger the shutdown prompt sound. After closing the display screen and the camera, the camera will automatically shut down.
3. If no operation is performed by the camera within the set automatic shutdown time, the camera will automatically shut down, which can save battery.。
4. After restoring the factory Settings, you will be prompted to set the language and date.
You can press the menu key to cancel the Settings.



2.0 Camera Settings Menu Explanation

Camera formatting

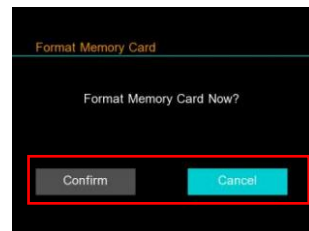
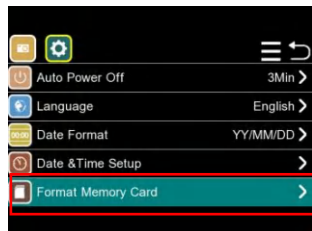
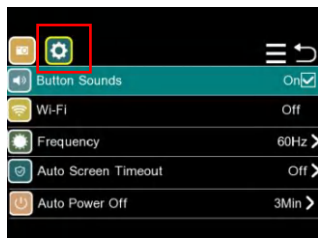
1. In video  or photo  mode, press the menu key  to enter the menu interface, and press the left (pause)/or right (macro) key to switch left or right to the "Settings" menu.
2. Press the W key down to select the "Format Memory Card" option, and then press the OK key to enter.

3. Press the left (pause) or right (macro) key to select "Confirm" or "Cancel", and then press the OK key to confirm the formatting of the Micro SD card.

4. Press the  menu key to exit .

NOTE:

Formatting a MicroSD card will delete all the pictures and files on the card. If you don't want to delete these pictures and files, please copy them to your computer or use a new card.



3.0 Camera function

1、 Shooting Modes

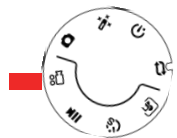
Turning the rotary knob clockwise can switch between normal video recording slow-motion video recording, time-lapse video recording, dual video recording, loop video recording, and timed photo taking Switch between special effects (filter effects) and normal photo mode.



1 Photo mode:

① Switch to the photo mode. Press the "[+]" key lightly. After the screen focuses and shows a green box, continue to press the "📷/●" photo button to complete the photo.

② During the photo-taking process, pressing a  key will lead you to the Settings page. Pressing the up (T)/ down (W) keys will allow you to select "Resolution 8MP to 75MP pixels for photo-taking". Take better photos according to different scene Settings.



2 Video mode:

① Video mode, Press the "[+]" key lightly. After the screen focuses and shows a green box, continue to press the "📷/●" photo-taking key to start the video recording.

② During the video recording  process, you can pause or continue the recording by pressing the left mouse button. To end the recording, please press the "📷"

button.

- ③ In video recording mode, you can press the  keys to enter the Settings page. Pressing the up (T)/ down (W) keys allows you to select "Resolution 1080P to 5K video recording". Record videos according to different scene Settings.



3 Slow-motion video:

- ① In slow-motion video mode, Press the "[+]" key lightly. After the screen focuses and shows a green box, continue to press the "/●" key to start the slow-motion recording. Press the  key can pause or resume the video recording, Please press the " " key to end the video.
- ② When recording, it should be done at a normal speed. When replaying the video, it should be done in slow motion. It is suitable for recording scenes such as shooting waves or outdoor sports like skateboarding and jumping.



4 Time Lapse Mode

- ① Press the "[+]" key lightly. After the screen focuses and shows a green box,

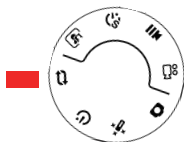
continue pressing the "📷/●" key to start the quick recording. Pressing the ⏸ key can pause or resume the recording. To end the recording, please press the "📷" key

- ② Time-lapse is a photographic technique in which the frequency at which photo frames are captured (the frame rate) is much lower than the frequency used to view the sequence. When played at normal speed, time appears to be moving faster and thus “lapsing”. For example, an photo of a scene may be captured at 1 frame per second but then played back at 30 frames per second; the result is an apparent 30 times speed increase. This mode will capture a sequence of frames at a set interval to record changes that take place slowly over time. When the frames are shown at normal speed, the action seems much faster.

5 Loop video recording

- ① In the loop recording mode, Press the "[+]" key lightly. After the screen focuses and shows a green box, continue pressing the "📷/●" key to start the recording.

- ②: Loop Recording is a video recording mode in which you can set a maximum duration for each video clip recorded. Once you press the Video Record button, the camera will continue recording up until the maximum duration



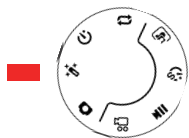
and will then automatically begin recording a new video clip. This cycle will continue until you stop recording, or the memory card reaches maximum capacity.

6 Self-Timer Photo Mode



① Switch to the timed photo-taking mode, Press the "[+]" button lightly. After the screen focuses and shows a green box, continue to press the "📷/●" photo button. The camera will enter the countdown for taking pictures according to the set 3 seconds or 5 seconds.

② Timed photography is suitable for scenarios where photos need to be taken and recorded during special timed periods. For instance, when alone, set a time, take time to assume a proper pose, and take photos at regular intervals.



7 Color Filters Mode

① Switch to the filter photo-taking mode, press the left (pause)/ right (macro) key or the up (T)/ down (W) key to select any filter, press the OK key to enter, and press the photo 📷 key to complete the photo-taking.

② In Color Filters mode, your camera allows you to apply a color filter for fun

and creative effects.



8 Dual-camera video recording

- ① Switch to the dual-screen simultaneous recording mode. Press the "[+]" key lightly. After the screen focuses and shows a green box, continue to press the "📷/●" key to start the recording. The screen will simultaneously record the scenes from both the front and rear cameras and display them on the same screen.
- ② The dual-camera mode is suitable for travel, live streaming, or simultaneous screen recording when recording and explaining at the same time.

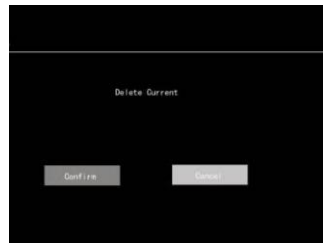
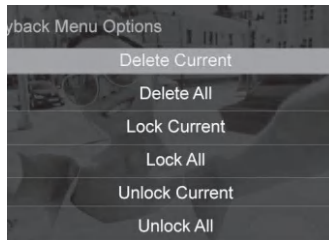
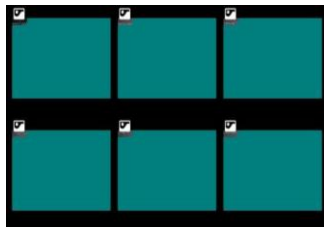
2) Playback mode

1. Press the playback button to enter the playback interface. Press the left (pause)/right (macro) button to select "Photo", "Video" or "Slide Show" to play, and press the OK button to enter.
2. Video playback: Select the playback video and press the OK button to enter the video nine-grid. Press the left (pause)/right (macro) key to select, and press the "OK" key to play. During playback, you can press the "▶||" button to pause or continue playing, and press the "▶" button to exit the playback mode.

3. Photo playback: Select the playback photo and press the OK button to enter the photo nine-square grid. Press the left (pause)/right (macro) key to select, and then press the "OK" key to enter the single image. Press the T/W key to zoom in and out for viewing. Press the "  Key" to exit the playback mode.

4. Slide Replay: Select Slide replay, press the OK key to enter automatic replay, and press the "  " key Exit Replay Mode.

5. During the photo/video playback  process, press the "MENU" key to enter the playback Settings page, Press the up (T)/ down (W) keys to select Settings such as delete, lock, and unlock. Press the OK key to enter. Press the left (pause)/right (macro) key to select "Confirm" or "Cancel". Press the "OK" key to confirm the selection. Press the  Key to Exit Playback Mode.



3) Menu Settings

The menu Settings can be entered by pressing the  key in any photo/video mode to make corresponding Settings. The setting options for different photography modes vary, and this manual will not elaborate on each one.

Resolution

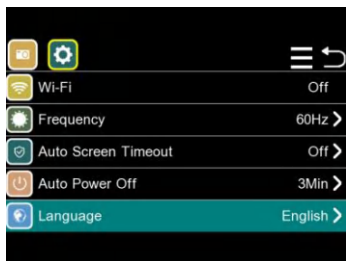
- 1 : In the photo mode, press the " " key to enter the Settings page. Press the left (pause)/right (macro) key to select the current shooting mode. Press the up (T)/ down (W) keys to select "Resolution", and then press the "OK" key to enter
- 2: Press the up (T)/ down (W) key to select the corresponding : 75MP 64MP 48MP 36MP 12MP 8MP. Press the "OK" button to confirm.
- 3: After confirming your selection, press the " ' key to exit the Settings.

Language Settings

- 1 : In the photo mode, press the " " key to enter the Settings page. Press the left (pause)/right (macro) key to select the current setting mode. Press the up (T)/ down (W) keys to select "Language", and then press the "OK" key to enter.

2: Press the up (T)/ down (W) keys to select the corresponding language. Press the "OK" button to confirm.

3: After confirming your selection, press the "MENU"  key to exit the Settings.

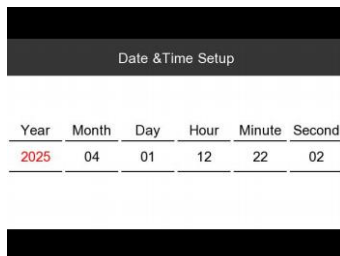
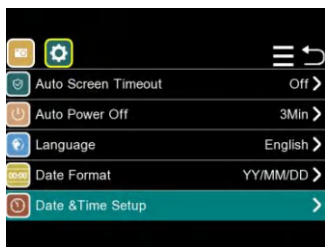


Time setting

1: In the photo and video mode, press the "  key" to enter the Settings interface. Press the left (pause)/ right (macro) key to select the current Settings mode. Press the up (T)/ down (W) key to select "Time Settings". Press the "OK" key to enter.

2: Press the right (macro) key to select year/month/day/hour/minute/second, press the up (T)/ down (W) keys to adjust the corresponding date and time values, and press the "OK" key to confirm and jump to the next time setting option.

3: Press the MENU  key to confirm the Settings and automatically exit the menu.



NOET

If the date and time are not displayed in the pictures or videos you took, please find the "Time Watermark" sub-menu in the menu and open it. Additionally, in the Settings, you can open the "Date Format" and select "Y/M/D", "M/D/Y", or "D/M/Y".

4、Flash Settings

In the photo/video mode, press the power/flash button back and forth to switch between "Forced Flash", "No Flash" and "Auto Flash" (the flash cannot be used in continuous shooting mode), and then press the button next to the flash to bring it up.

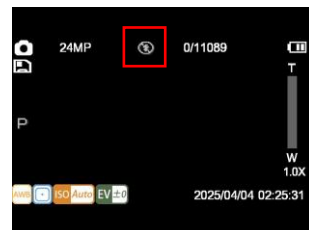
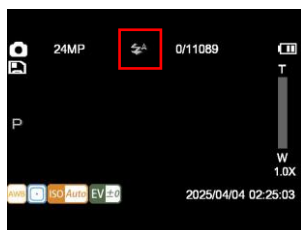
Note: *There is no automatic flash option in the video recording mode.*

Force ⚡: Every time a photo is taken, it will flash.

Auto ⚡^A: When the shooting environment is lower than the camera's set brightness, the

flash will be automatically turned on when taking photos.

Off : Flash is turned off.

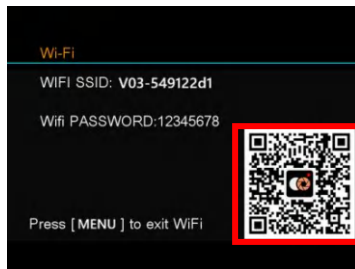
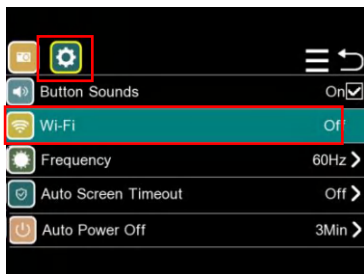


5) Wi-Fi

1: In the photo mode, press the "" key to enter the Settings page. Press the left (pause)/right (macro) key to select the current setting mode. Press the up (T)/ down (W) keys to select "Wireless Hotspot". Press the "OK" button to enter.

2: The WiFi name information and the QR code appear on the screen. Please scan the QR code with your mobile wechat and follow the instructions.

3: To exit WiFi, please press the "MENU  " key.



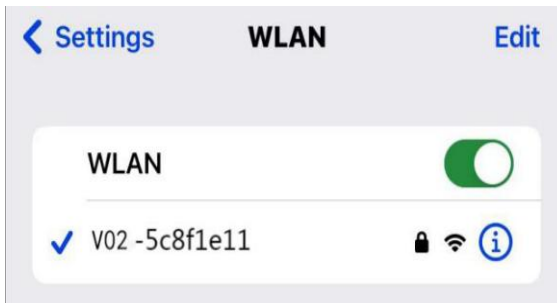
The camera includes a Wi-Fi feature that will allow you to connect your camera to your smartphone. When connecting your camera to your smartphone, you can utilize your smartphone as a remote viewfinder with live viewing to fully control your camera and transfer all captured photos and videos to your smartphone.

To wirelessly operate the camera, you will first need to install the “**Viipulse**” app on your Android or iOS device. To download the app, search for “**Viipulse**” in the Apple App Store or Google Play Store. You may also scan the QR code that will be shown on the camera’s LCD monitor once your camera’s Wi-Fi has been enabled.

Once you enable Wi-Fi, the **SSID** (camera’s Wi-Fi network name) and **password** are displayed on the camera’s monitor for connecting to your smartphone.

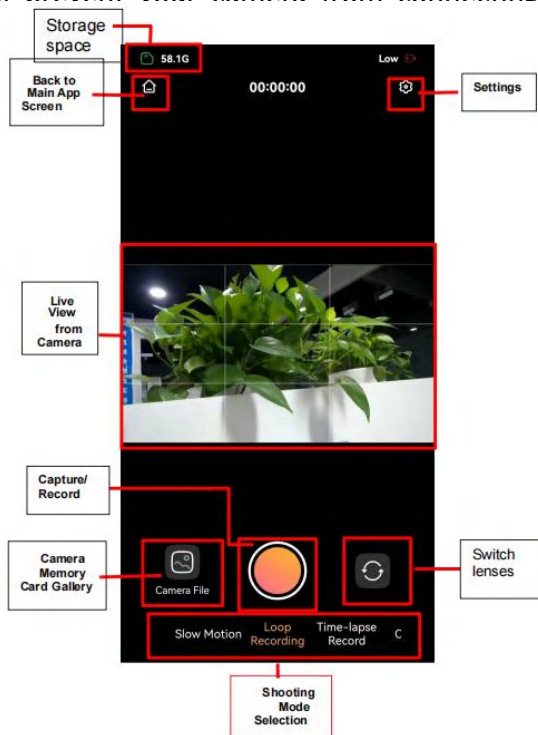
Open your smartphone's Wi-Fi menu, turn all Wi-Fi settings On and tap the network named "**V02_XXXXXXX**" to connect to the camera. When prompted, enter the password **12345678**.

Once connected successfully, exit the Wi-Fi menu on your smartphone and open the "**Viipulse**" app to launch remote operation of your camera.



NOTE: When first launching the app on your Apple smartphone, you may be prompted to allow the app to use your location. Select "**Allow Once**" or "**Allow While Using App**". This will allow the app to communicate with your camera and will allow the app to work properly. The app will not operate properly with your camera if you select "Don't Allow".

As part of the iOS operating system, your smartphone's *Location Settings* must be enabled in order to allow proper communication between your smartphone and your Minolta camera. If not enabled, it will prevent your camera from connecting to the “Viipulse”app.



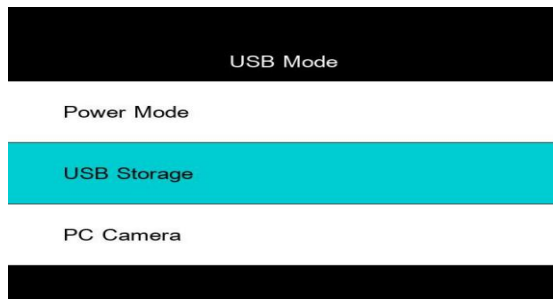
Note: It is normal for the video to have lag when viewed online. After downloading it to your local device, it can be played normally. After a successful link, the camera cannot operate its functions. Please control it with the mobile phone APP.

4.0 Connecting to a Computer

Your camera can connect to a computer to transfer photo and video files for viewing and editing, or to use your camera as a PC web cam. To connect the camera to your computer, open the protective cover on the back of the camera to access the USB-C port. Insert the small end of the USB-C plug into the camera's port and the larger end into a USB port on your computer.

NOTE: You must plug directly into an integrated USB port and not into a USB peripheral hub or extension.

Once connected and powered on, the camera's screen will display three options as follows:



Power Mode

Will allow you to just recharge the battery using your computer as a power source.

USB Storage

Will allow you to access the files on the inserted memory card via your computer.

PC Camera

Will allow the camera to function as a PC Camera/webcam.

Use the UP or DOWN buttons to select your desired mode and press the OK button to

enter into the selected mode.

5.0 Technical Specifications

Pixels (photo)	JPEG: 75 Mega • Pixels 64 Mega • 48 Mega Pixels • 40Mega Pixels • 30Mega Pixels • 24Mega Pixels • 18Mega Pixels • 12Mega Pixels
Zoom	8X Optical Zoom 5X digital zoom
Pixels (video)	MP4: 8K (8FPS) • 6K (12FPS) • 5K (30FPS) • 4K (60FPS) • 4K (30FPS) • 2.7K (30FPS) • 1080P (60FPS) • 1080P (30FPS)
ISO Sensitivity	Auto • 100 • 200 • 400 • 800 • 1600 • 3200 • 6400
LCD Monitor	3.0" Articulating IPS LCD Monitor
Assistive Light	LED Flash Strobe
Auto Power Off	OFF • 3 Minutes • 5 Minutes • 10 Minutes
White Balance Control	Auto • Sunny • Cloudy • Incandescent • Fluorescence

Recording Media	MicroSD • MicroSDXC; Maximum: 128GB
I/O Ports	USB-C • Microphone (built-in) • Speaker (built-in)

6.0 Usage Notices

1. Safety Precautions

- (1) Do not disassemble or modify the product.
- (2) Do not expose or immerse the camera to water or other liquids, the camera is not waterproof.
- (3) Do not heat the battery or expose it to sources of ignition, otherwise it may be a risk of explosion.
- (4) Keep the camera and battery out of the reach of kids.

2. Camera Maintenance

- (1) If the camera not used for a long time, take out the battery and put it in a dust-free and dry environment with a temperature below 30°C (86°F). And discharge the battery completely before storage. Also, please fully charge and discharged the battery at least one time every 3 months to keep a long battery life.

(2) If there is dust or dirt on the lens or display, please use a clean and soft lens cleaning cloth to wipe it softly.

(3) The camera is a precise instrument, please prevent it from falling, knocking and shaking or suffer from other strong impact and vibration.

3. Trouble Removal

(1) Unable to charge

- If the charging indicator is not on, the charger is not plugged in, please check whether the charger is connected properly.
- The battery is recommended to be charged in a temperature range of 10°C to 30°C (50°F-85°F)

(2) Battery life is short

- Check whether the battery is fully charged.
- If the ambient temperature is lower than 10°C (50°F), the battery will run out quickly.
- The battery life may vary depending on the usage mode.

(3) Memory Card not recognized

- Check if the memory card capacity is within the range of 32GB-128GB and if it is a high-speed class 10 card.
- Check if the direction of inserting memory card is correct.
- Check if you already formatted the memory card for the first time use.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

