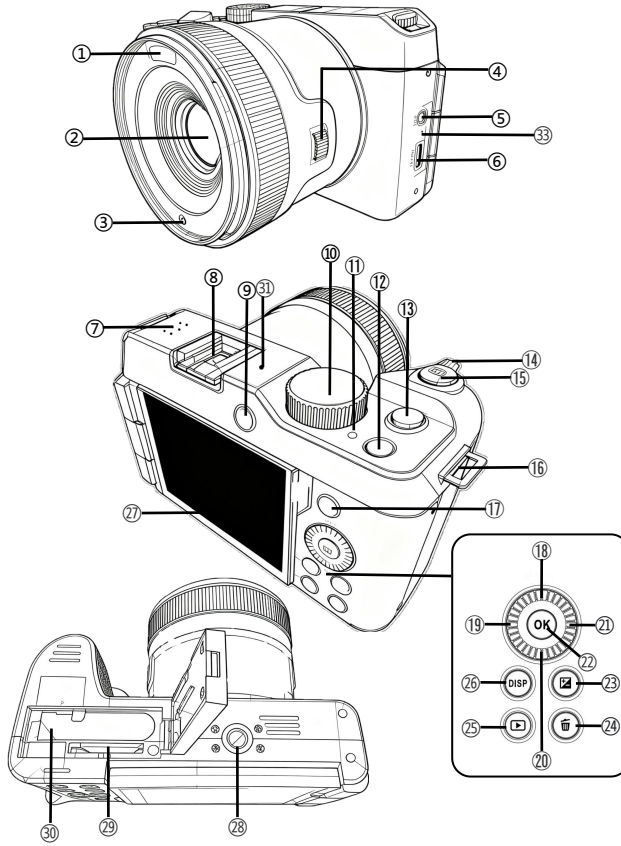
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Component Introduction

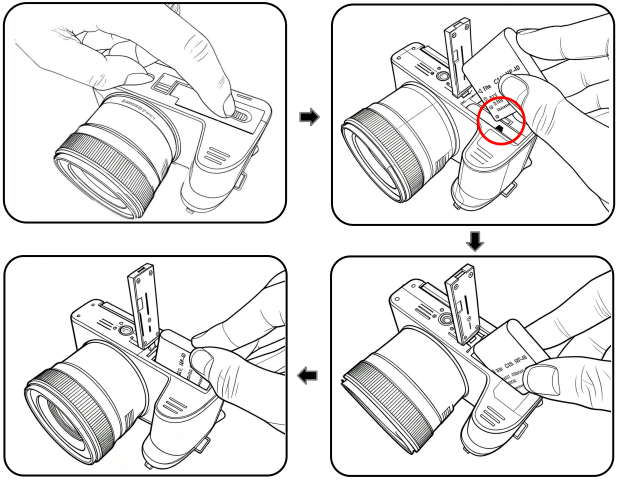


①	LED Light	Flash/Fill Light，In Video Mode: Fill Light In Photo Mode: Flash.
②	Lens	Framing.
③	AF auxiliary light	Auxiliary focusing.
④	LED Light Switch	Turn the LED light on/off.
⑤	3.5mm MIC Interface	Access to external microphones.
⑥	TYPE-C USB Interface	External USB cable.
⑦	Speaker	Play sound.
⑧	Cold Shoe Interface	Mount Cold shoe products.
⑨	Macro Button	Switch to macro mode.
⑩	Mode Dial	Switches the operating mode.
⑪	Working indicator light	light always on：Standby； light continuously flashing：In the recording； light flashes once：take a photo；
⑫	POWER Button	Power On/Off.
⑬	Video Button	Start/Stop Recording.
⑭	T/W Zoom Button	In video/Photo Mode, pull left/right to zoom in/out; In playback, Adjust the volume.
⑮	Photo Button	Two-stage Button, tap to focus and press to photo in photo mode.
⑯	Strap Mounting Hole	Install adjustable strap.
⑰	MENU Button	In standby: enter the function menu.
⑱	Up	In the function menu: Select the function upwards.
⑲	Left Button	In the function menu: Select function to the left.
⑳	Down Button	In the function menu: Select the function downwards.
㉑	Right Button	In the function menu: Select function to the right.
㉒	Confirm Button	While inside the Function Menu: Confirm the selected function. When playing back a video: Start/Pause playback.
㉓	Exposure Button	In standby: Enter the exposure function menu and then adjust the exposure value (EV) using the Left/Right buttons.
㉔	Delete Button	Delete recent files..
㉕	PLAYBACK Button	Enter the playback mode.
㉖	DISP Button	Press to switch screen display mode.
㉗	IPS Touch Panel	Screen preview and video/photo playback.

㉘	1/4 Tripod Socket	Tripod installation.
㉙	SD card slot	Insert the SD Card.
㉚	Battery Compartment	Load Battery.
㉛	Microphone	Records sound.
㉜	Model Label	Contains information such as the model number and SN (Serial Number).
㉝	Charging indicator light	Light always on: During charging, it turns off when fully charged.

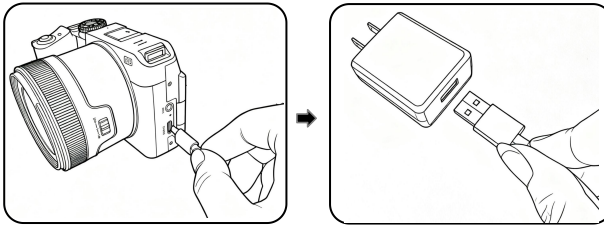
Installation of Battery and Charging

- **Installing the Battery**



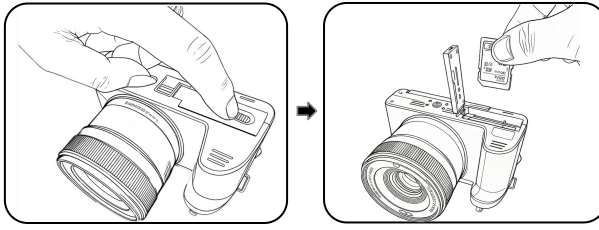
Slide the battery compartment switch to the left to open the battery cover.
Using a corner of the battery, push the battery compartment latch to the right.Insert the battery along the compartment track.Once the battery is fully in place, the battery compartment latch will automatically secure the battery, preventing it from popping out.Close the battery cover.

- **Battery Charging**



Prepare a USB cable and a charging adapter (optional). Connect the Type-C end of the USB cable to the camera's USB port, and the other end to the charging adapter. Finally, plug the charging adapter into the main power supply. A solid charging indicator light means the device is currently charging, and when the indicator light turns off, it means the charging is complete.

Insert the memory card



Slide the battery compartment switch to the left to open the battery cover. Insert the memory card straight into the memory card slot.You will hear a "click" when the card is fully seated. Finally, close the battery cover.

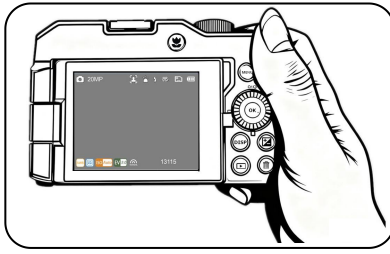
- ●When using the memory card for the first time, please be formatting on the camera.
- ●A U3 256GB memory card is recommended, and any memory card below U3 may not function properly.

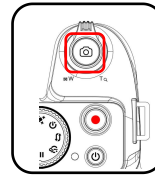
Mode of use



(Photo)	Normal photo shooting mode.
(Burst Shot)	Use this mode to select continuous shooting of three, five, or ten photos (3-burst/5-burst/10-burst).
(Special Effects)	Use this mode to select a filter from: Standard/Cool White/Nostalgia/High Saturation/Low Saturation/ Black and White/Negative/Red/Green/Blue/Dog Eye/LOMO/HALO/Print/Dark/Neon Purple/Gilt.
(Timed Photo)	Use this mode to select a timer of 3 seconds/5 seconds/10 seconds/20 seconds. After pressing the shutter button, the camera will automatically take a picture when the countdown is complete.
(Loop Recording)	Use this mode to select a duration of 1 minute/3 minutes/10 minutes. Once recording starts, it will be automatically saved in segments of the selected duration. When the storage card is full, the oldest file will be automatically overwritten.
(Time-Lapse Recording)	Use this mode to select a recording interval of 0.5 seconds/1 second/2 seconds/5 seconds/10 seconds/30 seconds/60 seconds. This mode condenses long-duration recordings (such as an hour, half a day, or even a full day) into a very short video that plays back in fast motion.
(Slow Motion Recording)	Use this mode to select a resolution of 1080P 4X/1080P 2X/720P 4X. After selecting and recording, the video will be played back in slow motion at the corresponding speed.
(Video Recording)	Normal video recording mode.

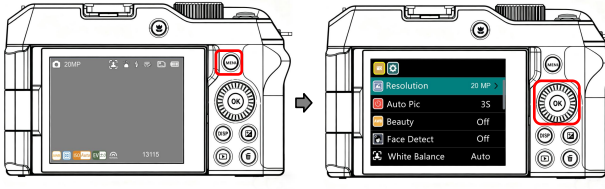
Photo





Long press the「Power button」to turn on the camera,Hold the camera steady and lightly press (half-press) the「Photo Button」to autofocus. A green focus box appearing on the screen indicates correct focus. Then, press down fully (full-press) the「Photo Button」to take the picture.

- **Photo function menu**

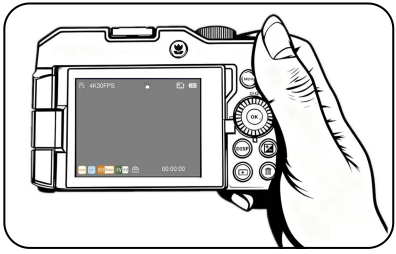


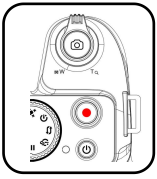
In the preview screen, a short press of the Menu Button enters the menu list. Use a short press of the Up/Down/Left/Right Buttons to switch between functions and lists. Short press the Menu Button again to exit the menu list.

Usage Mode	Function Name	Function Description
Photo/Burst Shot/ Special Effects/ Timed Photo	Resolution	80MP/72MP/64MP/56MP/48MP/36MP/ 30MP/24MP/20MP/16MP/13MP/8MP
Photo	Auto Pic	Off/3S/5S/10S/20S/30S
Photo/Burst Shot/ Timed Photo	Beauty Set	Low/Medium/High

Photo/Burst Shot/ Timed Photo	Face Detect	Off/On
Photo/Burst Shot/ Special Effects/ Timed Photo	White Balance	Auto/Sunny/Cloudy/Incandescent/Fluorescent
Photo/Burst Shot/ Special Effects/ Timed Photo	Exposure	-3/-2/-1/0/+1/+2/+3
Photo/Burst Shot/ Special Effects/ Timed Photo	Color Effect	Standard/Cool White/Nostalgia/High Saturation/Low Saturation/Black and White/ Negative/Red/Green/Blue/Dog Eye/LOMO/ HALO/Print/Dark/Neon Purple/Gilt
Photo/Burst Shot/ Special Effects/ Timed Photo	Metering	Average/Center/Point metering/Matrix metering
Photo/Burst Shot/ Special Effects/ Timed Photo	Sharpness	Low/Medium/High
Photo/Burst Shot/ Special Effects/ Timed Photo	Photo Quality	Low/Medium/High
Photo/Burst Shot/ Special Effects/ Timed Photo	ISO	Auto/100/200/400/800/1600/3200
Photo/Burst Shot/ Special Effects/ Timed Photo	Date&Time Stamp	Off/On
Photo/Burst Shot/ Special Effects/ Timed Photo	Digital Image Stabilization	Off/On
Photo/Burst Shot/ Timed Photo	Auto Focus	Off/On
Photo/Burst Shot/ Special Effects/ Timed Photo	Framing gird	Off/Golden Ratio/Trisection/Cross
Burst Shot	Picture Number	3/5/10
Timed Photo	Timed Time	3S/5S/10S/20S

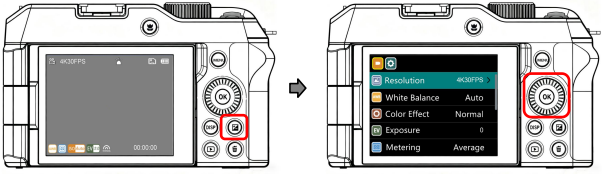
Video





Long press the「Power button」to turn on the camera,Hold the camera steady and lightly press (or half-press) the「Photo Button」to autofocus. A green focus box appearing on the screen indicates correct focus. Then, briefly press the「Video Button」to start/stop recording.

- **Video function menu**

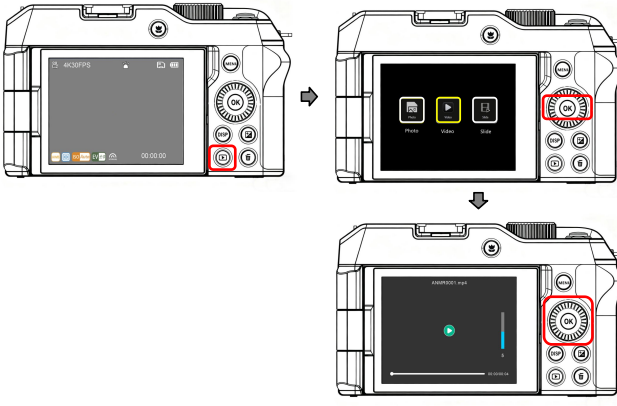


In the preview screen, a short press of the「Menu Button」enters the menu list. Use a short press of the Up/Down/Left/Right Buttons to switch between functions and lists. Short press the 「Menu Button」again to exit the menu list.

Usage Mode	Function Name	Function Description
Video Recording/Time-Lapse Recording/ Loop Recording	Resolution	5K20FPS/4K60FPS/4K30FPS/2.7K30FPS/ 1080P60FPS/1080P30FPS/720P60FPS/ 720P30FPS
Video Recording/Slow Motion Recording/ Time-Lapse Recording/ Loop Recording	White Balance	Auto/Sunny/Cloudy/Incandescent/ Fluorescent

Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Color Effect	Standard/Cool White/Nostalgia/High Saturation/Low Saturation/Black and White/Negative/Red/Green/Blue/Dog Eye/LOMO/HALO/Print/Dark/Neon Purple/Gilt
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Exposure	-3/-2/-1/0/+1/+2/+3
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Metering	Average/Center/Point metering/Matrix metering
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Sharpness	Low/Medium/High
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Video Quality	Low/Medium/High
Video Recording/ Time-Lapse Recording/Loop Recording	ISO	Auto/100/200/400/800/1600/3200
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Date&Time Stamp	Off/On
Video Recording/ Loop Recording	Recording settings	Off/On
Video Recording/ Slow Motion Recording/Time-Lapse Recording/Loop Recording	Auto Focus	Off/On
Slow Motion Recording	Resolution	1080P 4X/1080P 2X/720P 4X
Time-Lapse Recording	Lapse Interval	0.5S/1S/2S/5S/10S/30S/60S
Loop Recording	Loop Recording	1Min/3Min/5Min

PlayBack



In the Preview interface, briefly press the「Playback button」to enter the Playback interface. By briefly pressing the「Left button」/「Right button」and the「Confirm button」, select from: Photo / Video / Slideshow Playback.

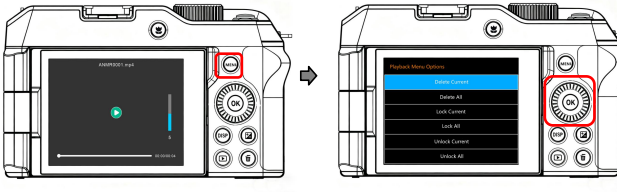
Browsing Photos:

- After entering the nine-grid (thumbnail) interface, briefly press the「Up button」/「Down button」/「Left button」/「Right button」and the「Confirm button」to move and select a photo.
- Briefly press the「Left button」/「Right button」to switch between files.
- Toggle the「T Zoom Button」to zoom in on the photo, then briefly press the「Up button」/「Down button」/「Left button」/「Right button」to pan and browse the zoomed image.
- Toggle the「W Zoom Button」to zoom out and browse the photo.

Playing Videos:

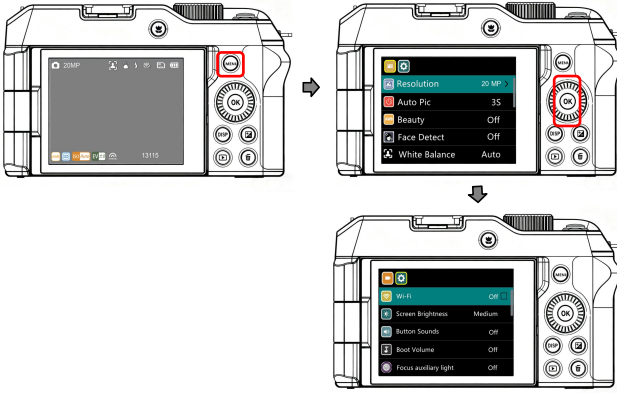
- After entering the nine-grid (thumbnail) interface, briefly press the「Up button」/「Down button」/「Left button」/「Right button」and the「Confirm button」to move and select a video.
- Briefly press the「Left button」/「Right button」to switch between files.
- Briefly press the「Confirm button」to start / pause play.
- During playback, toggle the「T/W Zoom Button」to adjust the volume.

- **PlayBack function menu**



While in the file browsing interface during playback, briefly press the「Menu Button」to enter the menu list. Use a brief press of the「Up button」/「Down button」to switch between functions, and a brief press of the「Confirm button」to confirm the selected function. The functions include: Delete Current, Delete All, Lock Current, Lock All, Unlock Current, Unlock All. Briefly press the 「Menu Button」again to exit the menu list.

System settings



In the preview screen, a short press of the「Menu Button」enters the menu list. Use a short press of the「Up button」/「Down button」to switch between functions and lists. Short press the 「Menu Button」again to exit the menu list.

Wi-Fi	Off/On
Screen Brightness	Low/Medium/High
Button Sounds	Off/On
Boot Volume	Off/On
Focus auxiliary light	Off/On
LED indicator	Off/On
Frequency	50HZ/60HZ
Image Rotation	Off/On
Auto Screen Timeout	Off/On
Auto Power Off	Off/3Min/5Min/10Min
Language	English/Simplified Chinese/Traditional Chinese/ Japanese/French/German/Italian/Spanish/Russian
Date Format	YYMMDD/MMDDYY/DDMMYY
Date&Time Setup	Date&Time Setup
Format Memory Card	Confirm/Cancel
Reset to Default Settings	Confirm/Cancel
About	Current software version

APP

● **Download And Install The App**

❶ Scan the QR code below to download and install directly on the phone.

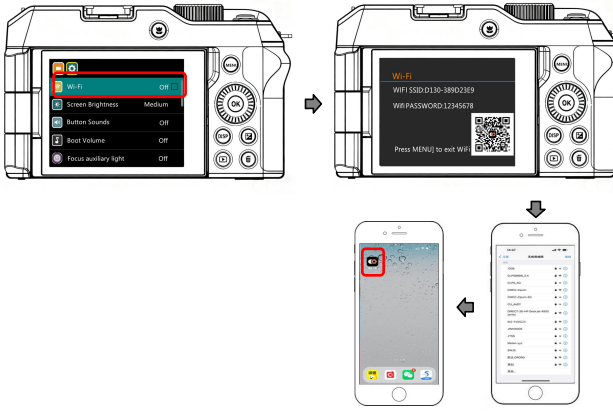
❷ Search and install "Viipulse" directly through the App Store or mobile app store.







- **Connect Wi-Fi**



❶ From the preview interface, briefly press the「Menu Button」to enter the menu list. Briefly press the「Right Button」to switch the menu to the System Settings menu. Briefly press the 「Confirm Button」to select the WI-FI function. The Wi-Fi interface will display the Wi-Fi name and password.

❷ On your phone, open the Settings menu and navigate to the Wi-Fi function. Find the camera's Wi-Fi name, D130-XXXX, and enter the default Wi-Fi password, 12345678, to connect.

❸ Return to your phone's home screen, open the previously downloaded and installed app "Viipulse", and tap "Add Camera" to begin using it

! ●For Android users, please select『Yes』for all possible questions like『Allow the App to obtain the permission?』

●The Wi-Fi function is point-to-point wireless connection within effective distance. The maximum distance is about 6m. Please use the function within the effective distance.

●Because of various phone brands or configurations, the process to enter the main interface may be slow or the connection may fail. Please try the connection process again.

Q&A

Q1: A video may be automatically divided into several files. How can I combine them into one?
A1: You can combine them by using a video combiner in your computer. You may search 「Boilsoft Video Joiner」 on Google.com to download it .

Q2: Which operating systems or mobile phones is the App compatible with?
A2: The App is compatible with the following operating systems:
Android: Android 5.0～18.0;
iOS: iOS 9～26;
Regardless of the systems it is compatible with, the stability of the App depends on the configurations of the phone as well as network conditions. The App is not Applicable to computers.

Q3: Why does my Android phone always fail in connecting to the App?
A3: After successfully connecting your phone to the Wi-Fi, please select 「Yes」 in case it prompts 「Wi-Fi is not connected to the Internet. Will you continue using it?」

Faults And Solution

Fault	Possible Cause and Solution
Failure to switch on	●The Camera has low battery. Please recharge it immediately. ●Check whether the operating environment temperature is within 0~40°C.
Failure to switch off	●If the ambient temperature is high or the Camera is used for an extended period, it may have excessively high temperature. Please wait a moment .
Automatic shutdown	●It's normal that the Camera automatically shuts down after standing by for three minutes. ●Check whether the operating environment temperature is within 0~40°C. ●If the Camera is used for an extended period, it may have excessively high temperature. Please wait a moment and switch it on after it cools down.
Rapid battery drain	●Battery performance degrades in low temperature. Please use it after it is preheated. ●The battery is not fully charged. Please recharge it. ●The battery is reaching the end of its usable life,please buy a new battery.
Wi-Fi signals are unstable	●The distance is too long. Please use it within 6m (effective distance). ●The Camera has low battery. Please recharge it immediately. ●The wireless signals are interfered because the Camera is placed on a metal table or stand. Keep it away from metal. ●The Wi-Fi signals of the phone are weak. Please use another phone.
Video voice is too low	●The sound equipment is poor or the volume is not properly adjusted. Please use other equipment or adjust the volume. ●The distance to the sound source is too long. Please record your videos within 5m (effective distance).

Technical Specifications

Sensor	Sony 21.0MP CMOS sensor
Aperture and focal length	F/1.8 f=4.7mm
Screen	2.8"IPS High -Definition screen
Zoom	18X Digital zoom
Photographing distance	0.4m~INF
File format	Video: MP4 Photo: JPEG
Video Resolution	5K 20FPS/4K 60FPS/4K 30FPS/2.7K 30FPS/1080P60FPS/ 1080P30FPS/720P 60FPS/720P 30FPS
Photo Pixel	8MP/13MP/16MP/20MP/24MP/30MP/36MP/48MP/56MP/64MP/ 72MP/80MP
Memory medium	SDHC memory card/SDXC memory card UHS-III,256GB (maximum)
LED/Flash	Built-in
Microphone	Built-in
Speaker	Built-in
Wi-Fi	Built-in
USB	Type-C USB 2.0
Cold Shoe	Built-in
Computer OS	Windows 7/8/10/11 Mac OSX10.5 and above
Mobile OS	Android 5.0 and above; iOS 9.0 and above
Power input	DC5V/2A Type-C USB
Dimensions	L 123.6mm W 87mm H 71.2mm
Weight	306±5g(Excluding battery)
Working temperature	0～40℃

Safety	Warning
❶ Do not use the product in case it has any damage, fault, or unusual conditions like smoke, abnormal sound, peculiar smell. ❷ Do not expose it to anywhere with high or low temperature, humidity, or strong vibration, for this may result in any fault or fire. ❸ Do not use any corrosive chemicals or solvent to clean the product. ❹ Do not disassemble, repair, or transform the product without authorization. ❺ Do not operate it for a long time while it's being charged. ❻ Do not let magnetic objects such as magnets Approach the product to avoid faults and data loss.	❶ Prevent dust or dirt from entering the slot and USB port. Promptly wipe off or remove them in case of such condition to avoid conditions like poor contact. ❷ Keep the product, accessories, and packing materials out of the reach of children to avoid possible suffocations. ❸ Do not use any USB cable other than the accessories. Use the USB cable specified only and pay attention to the followings: ・Do not damage or process the USB cable. ・Do not heat, pull, or bend the USB cable to avoid possible fire or electric shock.

The pictures in the manual are for your reference only. The actual product may vary.

We reserve the ultimate power of interpretation. Any changes to the data and parameters herein may be made without further notice.

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 protecti on 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 int erference to radio communications. However, there is no guarantee that interference will not oc cur in a particular installation. If this equipment does cause harmful interference to radio or tele vision reception, which
can be determined by turning the equipment off and on, the user isencouraged to try to correct t he 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 co nnected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer co uld void
your authority to operate this equipment.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.This equipment complies with FCC RF radiation exposure limits set forth fo r an uncontrolled environment. This device and its antenna must not be located or operating in conjunction with any
other antenna or transmitter.

FCC ID: 2ALYUD130