



Product name: Action Camera



Act20 User Manual

To Customers

Welcome to buy Svbonny Act20 cycling sports waterproof camera! Whether it is **diving under the sea** , surfing huge waves, climbing rocks or riding in the mountains, the Act20 HD waterproof action camera can accurately capture every wonderful moment . It combines excellent image quality, stable shooting, ultra-wide-angle field of view and intelligent remote control. It brings you an unprecedented shooting experience . Before using this product, please be sure to pay attention to the following instructions:

The Act20 Action Camera can be used up to 20 meters under water without using any extra waterproof case. However this feature requires extra care to increase your camera's life

1. WHENEVER THE CAMERA IS EXPOSED TO SALT (SEA WATER) / CHLORINE (POOL WATER) / SAND, BE SURE TO RINSE IT WITH FRESH WATER. (JUST LIKE HUMANS ALSO TAKE BATH IN FRESH WATER AFTER SWIMMING)
2. Wipe it with clean water & let it dry fully :before putting the charging cable, or before removing the battery lid to remove memory card or replace battery .
3. Due to contact with water & after using for few times, the 4 charging points may be oxidized and the camera may not charge using the provided charging cable – don't worry. Simply wipe the 4 charging points with diluted industrial alcohol (after shave lotion or nail polish remover) dipped in cotton cloth & it will work fine!
4. Action camera is for outdoors, so for best results record in outdoors with proper lighting (Do not test clarity Indoors as it will not give true results)
5. Always use U3, V30 & above, High speed microSD memory card for recording good quality videos – using low quality card will not give proper results
6. Peel off the transparent lens sticker before using
7. There are 2 transparent protective thin plastic films on both screens : front & main screen
 - This is for protecting the screens and not required to be removed immediately & may be kept as long as they are good
 - These 2 protective films might get scratched over time but this is to prevent the main screens & will not affect the video quality
 - With protective films the video resolution might not appear too sharp on the camera screens but the recorded video will still be crystal clear as per chosen resolution
8. This is a high-end professional camera with many inbuilt features – hence we strongly recommend to read the User Manual fully before 1st usage
9. Media Clarity may drop when sharing using social media apps like Whatsapp, Skype, Facebook, Instagram etc. This has nothing to do with the camera video quality

Please fully understand the limitations of the product and the correct way to use it, ensure safety first during use, and continue to pay attention to cleaning and maintenance of the product to extend its service life . If you have any product questions in the future, please feel free to contact us through the

following channels. Thank you!

Email: info@svbony.com

Website: www.svbony.com

Facebook: www.facebook.com/svbony

CAUTIONS



1. Waterproof performance limitations

- Although this unit is waterproof, please install the accessories correctly according to the instructions and ensure that all interfaces and covers are completely closed and well sealed.
- When diving, please use this product in shallow water within 20 meters. Exceeding this range may cause water damage. The waterproof performance of the product may be reduced due to long-term use, wear, collision or aging of the sealing ring. Please pay attention to regular inspection and maintenance.

2. Warnings for safe use

- When riding, make sure the camera is firmly fixed to prevent it from coming loose during high-speed riding or bumps, causing personal injury or property damage.
- When diving, you should be equipped with appropriate diving lights and comply with diving safety regulations. Do not ignore the safety of your diving partner or your own diving skills and physical condition because of taking photos or videos.
- When charging, please use the matching charging cable and place the product out of reach of children; if overheating, smoke, odor, etc. occur, please unplug the power supply immediately and stop charging to avoid fire.

3. Operation and environmental suitability warning :

- When used in low or high temperature environments, the camera may suffer performance effects such as reduced battery life or electronic component instability.
- High altitude and high humidity environments may affect the camera's operating status. Please confirm the suitability of the device in such environments before use.
- Do not place this camera close to objects with strong magnetic fields such as magnets or motors. Do not place this product close to objects that emit strong radio waves. Strong magnetic fields may cause product failure or damage images and sounds.

4. Lens cleaning and maintenance warnings

- If you do not use this product for a long time, please place it in a cool, dry, dust-free place.
- Prevent direct contact with gravel or other particles underwater to avoid scratching the lens or entering the internal mechanical structure.

•Clean and dry in time after use to avoid moisture retention that may cause corrosion or mold growth that may affect camera performance .

5. Data Security:

- Please make sure to back up the captured image data promptly in case the device is damaged or lost and the data cannot be retrieved.
- When the SD card reaches the upper memory limit, please clean the memory or replace it with a new memory card (this product does not include an SD card and needs to be configured by the user according to their own needs)

6. Warranty Terms and Liability Statement

•Any abnormal use or failure to follow the operating instructions may void the warranty.
Svbony is not responsible for any damage caused by improper operation or violation of product usage regulations .

*SVBONY is not responsible for any damage caused by improper handling or natural disasters such as fire, earthquakes, floods, etc.

*SVBONY is not responsible for any damage caused by unauthorized service companies.

Product Overview

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- 1 OK button
- 2 Mode button
- 3 Speaker hole
- 4 Magnetic charging interface
- 5 1.3-inch screen
- 6 Up button
- 7 Down button
- 8 Battery compartment
- 9 Bracket interface
- 10 2.0-inch screen

Magnetic interface

Use the provided magnetic charging cable to charge the camera, which has good EMI function and is waterproof and dustproof.



Micro SD card slot



Supports Micro SD cards with 16-256G capacity.

Insert the Micro SD card as shown on the right. (Note: C10 should be selected or above standard high-speed card , please format the machine before use.)

Specifications

| | |
|----------------------|---|
| product description | Action Camera |
| LCD screen | Front screen: 2.0 inches Rear screen: 1.3 inches |
| Battery | 1350mA h 3.7V rechargeable lithium battery |
| Battery life | (4K30 video with screen saver) 130 minutes |
| waterproof level | 20 meters waterproof IPX8 |
| Interface definition | Magnetic charging and data port |
| Photo resolution | 20M, 16M, 14M, 12M, 10M, 8M, 5M, 2M |
| Video resolution | 4K, 2.7K, 1080P, 720P |
| Video recording mode | Normal video, loop video, time-lapse video, slow motion, fast motion |
| Photo mode | Single shot, timed photo , continuous shot , long exposure , time-lapse photo |
| Recording volume | Support low/medium/high three- speed adjustment |
| Storage Media | Micro SD card (supports 16-256GB cards , this product does not include an SD card , please prepare one yourself) |
| file format | MP4 / MOV |
| USB interface | Magnetic charging and data port (5V 1A) |

Accessories & Assembly methods



Operations Guide

Mode key

1. Press and hold the Mode button for 2-3 seconds to power on/off.
2. After turning on the phone, short press this button to switch between video/photography/menu modes.
3. Short press this key on the menu interface to return to the previous menu or exit.

OK button

1. In video mode, short press the OK button to start recording, and then short press the button to stop recording.
2. In photo mode, short press the OK button to take a photo.
3. Short press the OK button to play the video in playback mode.
4. Short press the OK key in the settings menu to confirm the option.
5. In video recording or photo taking mode, long press the OK button to open the multi-function setting interface, where you can set different photo taking or video recording modes.

Up key

1. In video recording mode, short press the up button to turn off the microphone .
2. In the menu setting mode, short press the up button to select the setting item in the menu.

Down key

1. In the menu setting mode, short press the down key to select the setting item in the menu.
2. In photo or video mode, short press the lower button to turn on/off WIFI.
3. In photo or video mode, long press the button to switch between the 2.0-inch screen and the 1.3-inch screen.

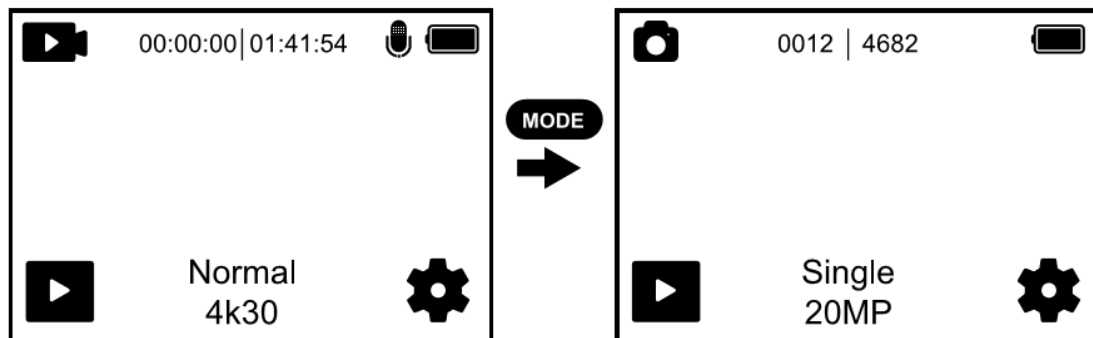
Indicator Lights


Working indicator light: green light

Charging indicator light: When the product is turned off, the charging light displays red; when the product is turned on, the red and green charging lights are on.

Touch operation instructions


Shooting page




 Click to enter the album

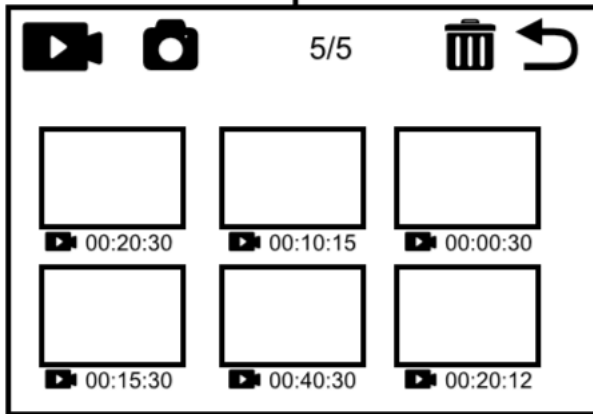
Normal
4k30 Click to enter the recording mode selection

Single
20MP Click to enter the photo mode selection

 Swipe from left to right to switch video/photography mode

 Click to enter the menu

Album page



Click to browse the video album



Click to browse the picture album



After clicking the option, click the file you want to delete and click this icon

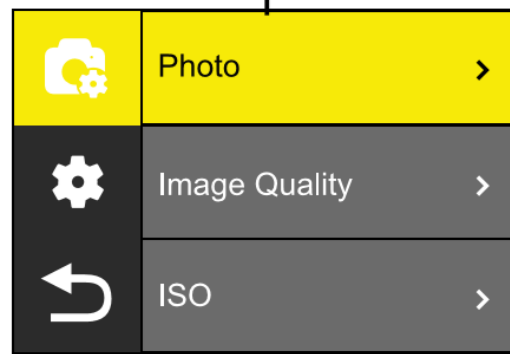
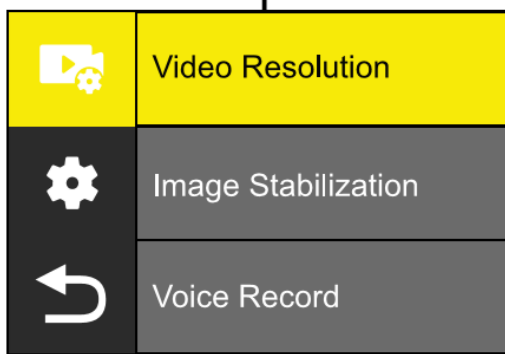


Click to exit the album



Click to choose to play the video or preview the picture in full screen

Menu page



(The above two pages correspond to the pages for entering the menu in video mode and photo mode respectively)



Click to select the video settings menu



Click to select the photo settings menu



Click to select the camera system settings menu



Click to exit the menu



Slide up and down on the right side of the screen to flip through the menu

Menu Function Introduction

Camera Settings

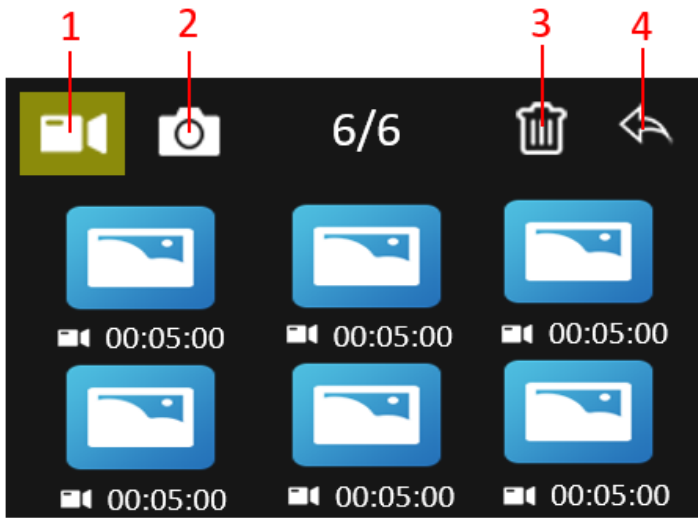
Press the Mode key to switch to the settings interface, press the Mode key or the up/down key to select **the main settings item "Playback, Video Settings, Picture Settings"** , and press the OK key to open the menu.
(The following icons are processed by post-production art)



1. Playback Mode

After entering the playback mode, press the up/down button to select video album, photo album, delete, or exit.

Models with touch screen function can click the album icon in the lower left corner to enter the album directly



1) Video Album: Select the video album icon, press the Mode key to enter the video file selection, press the Up/Down key to select, and press the OK key to play the video. When the video is playing, you can press the "OK" key to play/pause and the key to exit. Press the Mode key to return to the album selection.

2) Photo Album: Select the camera icon, press the OK button to open the album, press the Mode button to enter the photo file selection, press the up/down button to select, press the OK button to display the photo in full screen, press the up/down button to scroll through the photos. Press the Mode button to return to the album selection.

3) Delete: After opening the video or photo album, first press the Up/Down key to select the Delete function, then press the Mode key to enter the corresponding album and select the file to be deleted, then press the Up/Down key to select, press the OK key to confirm, and finally press the Mode key to enter the Delete operation. You can choose to Delete the selected or Delete all.

4) Exit playback mode.

2. Menu

selecting **video** settings or **picture** settings, enter the menu interface (for models with touch screen function, click the album icon in the lower right corner to enter the menu directly)

In the menu interface, press the up/down key to switch between different setting menus: press the OK key to enter the next menu. Press the up/down key to select a setting item, press the OK key to confirm, and press the Mode key to return to the previous level or exit. You can freely choose to set the size, time setting, parameters, mode, sound, etc. of the video or photo according to your needs.

(Note: The video settings and picture settings UI interface are processed according to the actual prototype camera)

Video recording function

Models with touch screen function can click the mode and resolution icons to open the mode selection interface



Normal video

In video recording mode, short press the OK button to start recording. At this time, the recording time starts to be recorded. Short press the OK button again, the camera stops recording and saves the file.

Loop video

In the video recording mode , select loop recording. After entering the loop recording mode, the loop recording icon will be displayed in the upper left corner of the screen. In the loop recording menu, you can set the duration of each video in the loop recording (1 minute, 3 minutes, 5 minutes) and the video resolution, and press the OK button to start loop recording.

Time-lapse video

In the video recording mode , select Time-lapse recording. After entering the time-lapse recording mode, the time-lapse recording icon will be displayed in the upper left corner of the screen. In the time-lapse recording menu, you can set the time-lapse **recording interval** (1 second, 3 seconds, 5 seconds, 10

seconds, 30 seconds, 1 minute) and video resolution, and press the OK button to start the time-lapse recording.

Slow Motion

In the video recording mode , select slow motion recording. After entering the slow motion recording mode, the slow motion recording icon will be displayed in the upper left corner of the screen. Press the OK button to start recording.

Fast Action

In the video recording mode , select fast motion recording. After entering the fast motion recording mode, the fast motion recording icon will be displayed in the upper left corner of the screen. In the fast motion recording menu, you can set the fast motion recording , and press the OK button to start recording.

Kind tips:

Sports cameras usually use fixed-focus wide-angle lenses, unlike other professional cameras that have focus functions. The shortest effective shooting distance of a fixed-focus lens is 30cm, and it will be out of focus if it is less than this distance.

camera function

Models with touch screen function can click the mode and resolution icons to open the mode selection interface



Single shot

Select single shot mode in photo mode . After entering single shot mode, a photo icon will appear in the upper left corner of the screen. You can set photo pixels (20M, 16M, 14M, 12M , 10M, 8M, 5M, 2M) and other parameters in the

photo mode menu , and press the OK button to take pictures.

Continuous shooting

Select **burst mode** in **photo mode** . After entering continuous shooting mode, the continuous shooting icon will be displayed in the upper left corner of the screen. The number of continuous shots (3 p/s, 7 p/s, 15 p/s, 30 p/s) can be set in the continuous shooting mode menu. Press the OK button, the camera will make a continuous "click" sound and the green light will flash.

Note: The camera takes a certain amount of time to store photos during continuous shooting. Pressing the OK button before the storage is completed will not allow you to take pictures again.

time lapse photo

Select **time-lapse photo** mode in **photo mode** . After entering the **time-lapse photo** mode, the time-lapse photo icon will be displayed in the upper left corner of the screen. You can set the **time-lapse photo** interval (3 s, 5s, 10s , 30S, 1Min) in the **time-lapse photo** mode menu. Press the OK button to start taking photos at the set time interval, and then press the OK button to stop.

Take photos regularly

Select the **timed photo mode** in **the photo mode** . After entering **the timer photo** mode, **the timer photo** icon will be displayed in the upper left corner of the screen. You can set **the delayed photo time** (2s, 5s, 10s) in the **timer photo mode menu**, press the OK button to start the countdown, and take photos when the timer ends.

long exposure

in **photo mode** . After entering long exposure mode, the long exposure icon will be displayed in the upper left corner of the screen. In the long exposure menu, you can set the long exposure time (1s, 2s, 5s, 8s, 30s, 60s) to take pictures, and press the OK button to take pictures.

WiFi & AP P

APP download

Android system users, please search "iSmart DV2" in the Google App Store to download and install.

IOS system users can search for "iSmart DV2" in the Apple App Store to download and install.

Start WIFI

In video recording mode or photo taking mode, press the "down button" to turn on WIFI. The camera will enter the WIFI interface and display the WIFI name "Act20-XXXXXX " and WIFI password "12345678". Find the WIFI name corresponding to the camera in the WIFI settings of the phone and connect to WIFI.

APP operation

After the phone is connected to the camera WIFI, open the APP and enter the APP homepage.

A) Click Add Camera → WIFI Connection to enter the APP operation interface

B) Click "Local Media Library" to enter the APP offline photo album. The camera pictures and videos downloaded on the APP will be saved here.

APP operation page function introduction



- 1 Setting 2 Resolution
- 3 WIFI signal 4 Camera battery level
- 5 White Balance 6 Album
- 7 Shutter 8 Video mode selection

Warnings

1 . CAUTION Notice

EN: RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

EN: Before using this device, please read this guide which contains important operating instructions for safe usage, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards.

EN: User ' instructions should accompany the device when transferred to other users.

3.1 US FCC requirements

3.1.2 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: **(Other devices are applicable other devices, such as license-exempt machines are applicable)**

(1) This device may not cause harmful interference .

(2) T his 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.

3.1.3 Note: This equipment has been tested and found to comply with the limits for a Class B digital device. 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.

3.2 Canadian IC requirements

3.2.1 License-exempt radio apparatus Canadian license-exempt machine

EN: This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada .

Son fonctionnement est soumis aux deux conditions suivantes :

(1) Ce dispositif ne peut causer d'interférences ; et

(2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.

4 European version CE requirements

4.1 Simple EU declaration of conformity

• HENAN ESHOW ELECTRONIC COMMERCE CO., LTD declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU ; the full text of the EU declaration of conformity is available at the following internet address:

www.svbony.com .

5.1 Disposal Environmental

Note: Applicable to electronic products. When placing trash cans, both those with and without horizontal bars will be displayed.



The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area . |

6.2 Exclusively for license-free transmitters

This radio is designed for and classified as “General population/uncontrolled environments ”. General population/uncontrolled environments are defined as locations where there is exposure of individuals who have no knowledge or control of RF exposure level.

7.1 Electromagnetic Interference/Compatibility Warning Radio Interference (Applicable to Electronic Products)

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. such as hospitals or healthcare facilities .

7.2 For handheld transmitter only

People with pacemakers, implantable cardioverter defibrillators (ICDs) or other active implantable medical devices should

- Consult with their physicians regarding the potential risk of interference from radio frequency transmitters, such as portable radios (poorly shielded medical devices may be more susceptible to interference).
- Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.
- Do not carry the radio in a chest pocket or near the implantation site, and carry or use the radio on the opposite side of the body from the implantable device to minimize the potential for interference.

Hearing Aids: Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices: If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

10.1 Batteries Safety

- WARNING: KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.

- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.

- If a radio or a battery has been submerged in water, please dry and clean it before use. Do not dry the radio or battery with an appliance or heat source, such as a hair dryer or microwave oven. If the radio has been submersed in a corrosive substance (eg saltwater), rinse the radio and battery in fresh water, then dry them.

10.2 Warnings for storage and disposal of batteries

- Since batteries are sensitive to high temperatures when storing them, keep them in a cool and dry place. The recommended temperature should be between +10 °C and +25°C and never exceed +30°C. Batteries should therefore not be stored next to radiators or boilers nor in direct sunlight. Extremes of humidity (below 35% and above 95% relative humidity for sustained periods should be avoided since they are detrimental to both batteries and packing. Although the storage life of batteries at room temperature is good, storage is improved at lower temperatures provided special precautions are taken . Also, accelerated warming is harmful.

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

A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

10.3 Warning that the battery can be replaced by ordinary users,

- Turn off your radio before removing or installing a battery. Store spare batteries securely. Dispose of used batteries immediately and safely.

- The battery supply terminals are not to be short-circuit.

- Do not replace the battery in any area labeled “Hazardous Atmosphere” . Any sparks created in a potentially explosive atmosphere can cause explosion or fire.

- When the conductive material such as jewelry, keys or chains touches exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects;

- Dirty battery contacts need to be wiped with clean dry cloth, both on the battery and in the appliance.

- Batteries should be removed from the appliance when not being used for long periods of time (months). The batteries should be enclosed in special protective packaging (such as sealed plastic bags or variants) which should be retained to protect them from condensation during the time they are warming to ambient temperature.

- Exhausted batteries are to be removed from the equipment.

- Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people.

- Disposal of a battery into fire, or a hot oven, or mechanically crushing or cutting of a battery, that can result in explosion;

10.4 Equipped with charger, recommended charging guide for secondary batteries (rechargeable batteries)

- Batteries shall be charged at 10°C~40°C environment temperature specified. If the environment temperature is lower than 0°C, the charge shall be prohibited.
- Rechargeable batteries are only to be charged by adults or by children at least 8 years old under adult supervision.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that:

11.1 Children's Products

WARNING:CHOKING HAZARD-Small Parts. Not suitable for children under 3 years old.



13.1 Authorized Accessories List

- For a list of Reteless-approved accessories for your radio model, visit the website <http://www.svbony.com>

Guarantee

Model Number:

Serial Number:

Purchasing Date:

Dealer:

Telephone:

User's Name:

Telephone:

Country:

Address:

Post Code:

Email:

Remarks:

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase.
3. The user can get warranty and after-sales service as below:
 - Contact the seller where you buy.
 - Products Repaired by Our Local Repair Center
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

Exclusions from Warranty Coverage:

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.

3 French environmentally friendly recycling labels:

