



Portable Multimedia Music Player

Digital Display/Full-wave Band Radio Reception/Bluetooth/TF Card Play

Instructions for Use (Model: HRD-701)

Thanks for buying our product. Before use, please read this Instructions for Use carefully and keep it properly.

CONTENTS

Overview of HRD-701-----	1-2
Components in package-----	2
Diagram of button functions-----	3-4
Symbols on LCD-----	5
Install the battery-----	6
Function introduction-----	6-11
Clock setting method-----	11
Timed on/timed alarm clock setting-----	12
Timed off (sleep)-----	13
Select an EQ-----	13
TYPE-C USB jack charging-----	13
Operation of turning off the screen and backlight-----	13
Use of antenna-----	14
Main technical parameters-----	14-15
Notes-----	16

1. Overview of HRD-701 portable multimedia music player

This is a well-designed multimedia music player of our company, and it provides high fidelity sound quality.

We hope our product will give more fun to people who love music and love listening to the radio.

The humanized design offers unique usage experience to radio users.

The product has the following features:

*The product realizes full-wave band wireless radio reception including FM (frequency modulation), MW (medium wave), SW (short wave) and WB (weather band in North America) through software programming, showing high receiving sensitivity.

*The product can be connected to Bluetooth for wireless music transmission and play with high-tech audio technology. It supports music play of max 256G TF card .

*In FM mode, the product supports both coded shuttle pulley tuning and pressing tuning, giving users a brand new usage experience.

*In FM mode, the product supports both full automatic channel search and manual channel storing.

*In SW mode, meter wave can be used to select a channel quickly.

*In FM mode, shuttle can be used to adjust the frequency point quickly.

*Four options are available in FM/MW mode with no limitations of national boundary to be used all over the world.

1) : FM:87.5-108MHz; AM:522-1710KHz (step value: 9KHz)

2) : FM:87-108MHz; AM:520-1710KHz (step value: 10KHz)

3) : FM:76-108MHz; AM:522-1710KHz (step value: 9KHz)

4) : FM:64-108MHz; AM:522-1710KHz (step value: 9KHz)

*Volume can be adjusted with coded pulley from 0 to 9, which is very easy.

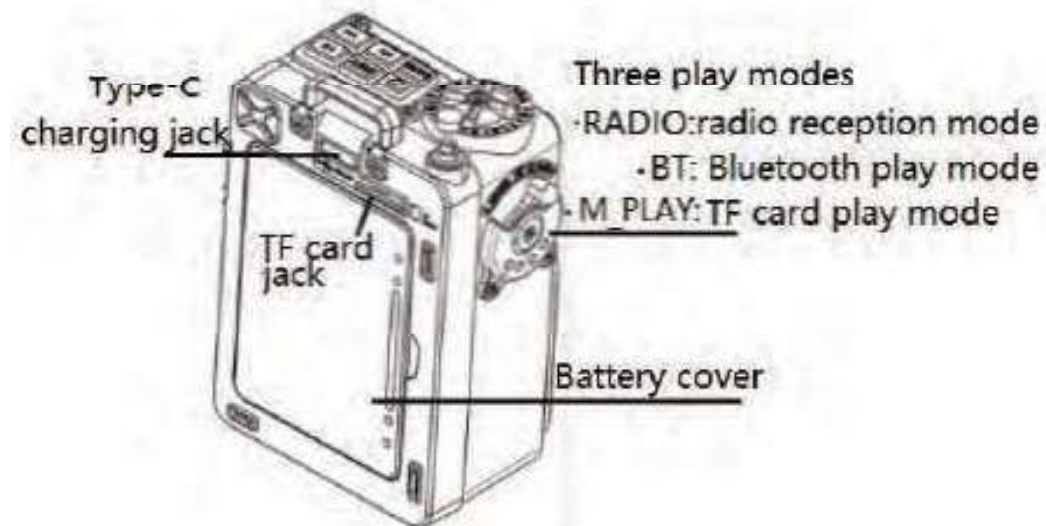
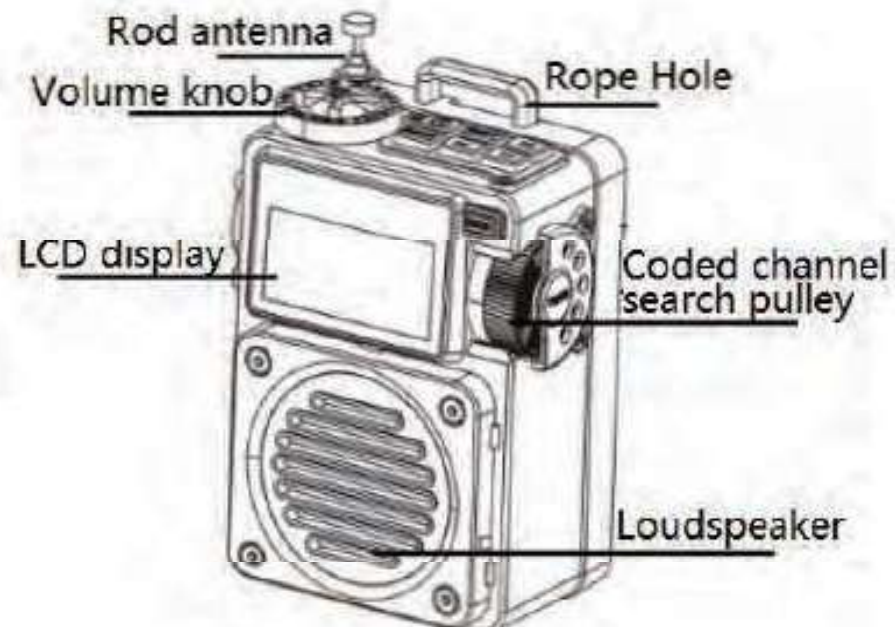
*As the product works in Bluetooth and TF card mode, “music spectrum” will be displayed automatically, bringing you beautiful melody.

- *Four play options are available in TF card mode: rA (play in order), rO (single cycle), rH (repeat the music in current folder) and rr (random play)
- *The product uses BL5C 1000MAH lithium battery with long endurance. The removable battery design increases the service life of product.
- *The product supports locking and mute functions. It displays the time and battery status.
- *24-hour and 12-hour time systems can be selected.
- *The time of timed off for sleep can be set: 120-110-100-90-80-70-60-50-40-30-20-10 minutes.
- *Two ways of timed on and timed alarm clock can be set.
- *After selecting timed on, the time of timed off can be set: 10-20-30-40-50-60-70-80-90 minutes &FULL (auto off will not happen).
- *The product is equipped with backlight display for users to use in the darkness.
- *The radio mode can keep 297 channels in memory (99 FM channels, MW channels and SW channels respectively).
- *In Bluetooth and TF card music play mode, the product supports six play effect equalizers:
E1: NORMAL, E2: POP, E3: ROCK, E4: JAZZ
E5: CLASSIC, E6: COUNTRY
- * The product uses type-c charging jacket, please feel easy to use.

2. Components in package

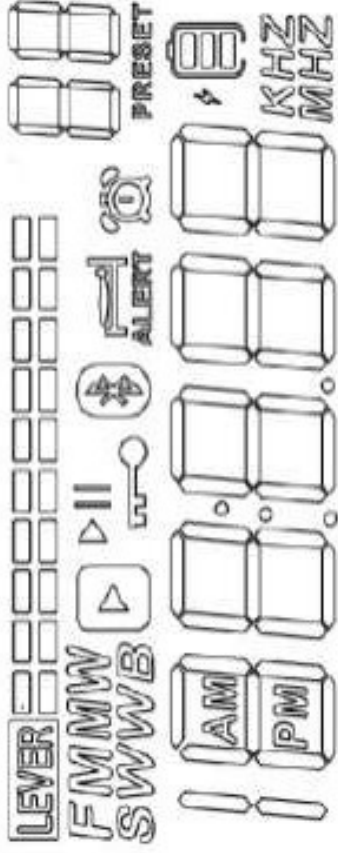
Name	Quantity
HRD-701 portable multimedia music player	1
Strap	1
BL5C lithium battery (1000MAH 3.7V)	1
USB TYPE-C charging cable	1
Instructions for Use	1
Bag	1
Gift box	1

3. Diagram of button functions



	1: On off; 2: Set auto sleep function when the player is on; 3: Display the time.
SET	1: Clock status when the player is off: turn on the alarm clock; 2: Set timed on/timed alarm clock; 3: Working in radio mode: manually store and take a channel ; 4: Working in Bluetooth TF card mode: select an EQ.
	1: Time mode: set the running time; 2: Working in radio mode: open/close mute mode, automatically search and store channels; 3: Working in TF card and Bluetooth mode: start play pause; 4: WB mode: enter the automatic alert "ALERT".
BAND	1: Time mode: FM "receiving frequency range" switch; 2: Start in radio mode: switch between FM, MW, SW and WB; 3: TF card mode: rA (play in order), rO (single cycle), rI (repeat the music in current folder) and rr (random play) for you to choose.
	1: Next music address of storing channels / Tune + / recall channels + time+; 2: In TF card mode: long press for fast forward.
	1: Previous music address of storing channels- / Tune- / recall channels- / time-; 2: In TF card mode: long press for fast backward.
MOD/ 	1: Working in TF card mode: select a song quickly and confirm to play the selected song; 2: When the player is on or off: long press for locking/unlocking; 3: When selecting a channel with shuttle: select the channel digits. 4: In SW mode, select a channel with meter wave quickly.
TUNE 	1: Shuttle channel search: support semi-automatic channel search and manual channel search; 2: In time mode: support time - and time +; 3: In TF card mode: select a song.
VOLUME 	When the player is on, adjust the volume (0-9).
	RADIO: radio play BT: Bluetooth play M-PALY: TF card play

4. Symbols on LCD



	Bluetooth, TF card playing music spectrum display symbol
	memory station address number, recall station address number, EQ symbol
	Automatic search station & manual save station & take station display symbol
	Battery status display
	Charging symbol
	MW unit
	FM & SW & WB unit
	Alarm clock symbol
	Sleep time setting symbol
	Lock symbol
	Bluetooth play mode symbol
	TF card play mode symbol
	Disable warning indicator symbol for weather band
	FM: FM mode; MW: MW mode; SW: SW mode; WB: weather band mode
	FM static; mute
	BT & TF card state: Play/Pause
	Morning time for 12H
	Afternoon time for 12H
	Standby time: Displays the time
	Bluetooth mode:  Displays Bluetooth status
	TF card working status: display total number of tracks & display playing time & NULL; no card symbol

5. Install the battery

The product uses BL5C lithium battery. Open the battery cover and install the battery correctly according to the instructions for positive and negative pole on the base of battery .  

(Before first use, please charge the battery fully.)

6. Function introduction

6.1  on/off: After installing the battery, lightly press “” to display the time, and lightly press “” again to turn on the player. When the player is on, lightly press “” to turn off the player.

Note: the player will enter the power saving mode 5 seconds after LCD displays the time. Backlight is started, time is not displayed and LCD is turned off . lightly press “” again to display the time.

6.2  : Choose a play mode

There are three play modes: RADIO (FM mode)/BT (Bluetooth reception)/M-PLAY (TF card).Choose a function as needed (please ensure the volume knob is turned on before use).Switch to any mode, the player will play in English: Radio---Bluetooth mode---SD Card mode.

6.3  Volume adjustment (from 0 to 9)

When the player is on or off, rotate the VOLUME coded knob, the sound will be the lowest when the arrow points to “0” and will be the highest when the arrow points to “9”. The volume can be adjusted from 0 to 9 as needed.

6.4 Listen to the radio

When the player is on, switch to “RADIO”, “” is rolling, which indicates waiting to enter the FM mode. Frequency point will be displayed about 3 seconds later. The player receives MW/FM/SW/WB as follows: Different countries have different requirements for FM reception and MW reception, so the following several options are provided. The first one is factory default.

1	FM:87.5-108MHz	MW:522-1710KHz (9KHz)	SW: 4.750-21.850MHz	WB:162.400-162.550MHz
2	FM:87-108MHz	MW:520-1710KHz (10KHz)	SW: 4.750-21.850MHz	WB:162.400-162.550MHz
3	FM:76-108MHz	MW:522-1710KHz (9KHz)	SW: 4.750-21.850MHz	WB:162.400-162.550MHz
4	FM:64-108MHz	MW:522-1710KHz (9KHz)	SW: 4.750-21.850MHz	WB:162.400-162.550MHz

The above several reception modes can be adjusted as needed:

Time display status. Press and hold “BAND” for 2 seconds to display FM low frequency point in current mode (87.5MHz), lightly press to  choose the band scope needed. Stop operation and exit setting, frequency value chosen finally will be the default automatically.

(It's the second reception mode when 87 is displayed on LCD, it's the third reception mode when 76 is displayed on LCD, and it's the fourth reception mode when 64 is displayed on LCD.)

Note: when listening to FM, SW and WB, please pull out the rod antenna.

6.4.1 BAND switch: when the player is on, lightly press “BAND” to switch between MW/FM /SW/WB.

6.4.2 About weather band in Norther America

Lightly press “BAND” to switch to WB, lightly press  or lightly push the coded pulley on the right of player to choose the frequency point received.

The frequency points received:

1—162.400MHz, 2—162.425MHz, 3—162.450MHz; 4—162.475MHz,
5—162.500MHz, 6—162.525MHz, 7—162.550MHz,

Use automatic alert in WB mode:

Press and hold “▶||” for 2 seconds to enter automatic alert “ALERT”. In state of automatic alert “ALERT”, press and hold “▶||” for 2 seconds to exit the function of automatic alert “ALERT”. (Please note that after entering the mode of automatic alert, it doesn't work by pressing any keys. Other reception functions can only be used by pressing and holding “▶||” to terminate the mode of automatic alert.)

6.4.3 Channel search way in FM, MW, SW and WB mode: the player supports both pulley shuttle channel search and pressing channel search.

Min step value in FM mode: 0.1MHz for pressing channel search and 0.05MHz for shuttle channel search.

Min step value in MW mode: 9kHz or 10kHz

Min step value in SW mode: 0.005MHz

Frequency hopping in WB mode: 0.025MHz

Pulley shuttle channel search: the player supports manual search, semi-automatic search and manual quick shuttle frequency point adjustment.

Pressing channel search: the player supports full automatic scanning channel search and semi-automatic channel search.

6.4.3.1 Pulley shuttle channel search: lightly slide the shuttle button manually, the frequency will increase and decrease progressively based on the min step value of bands.

6.4.3.2 Shuttle semi-automatic channel search: in radio mode, strongly push the pulley shuttle button upwards/downwards and stop pushing, then the radio will enter the mode of semi-automatic channel search. It can be seen from the display that frequency changes fast. Search will stop automatically when a clear channel is searched.

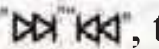
6.4.3.3 Manual fast shuttle frequency point adjustment: in MW/FM/SW mode, lightly push the pulley shuttle button upwards/downwards, select a channel digit, and the “mantissa” in channel digit flashes. Lightly press “MOD”, and the “flashing figure” moves to the frequency figure in need of change. When “flashing figure” is flashing, lightly push the pulley shuttle button upwards/downwards to select an appropriate channel digit quickly. “Flashing figure” stops flashing five seconds after operation is stopped, and the frequency point after play is the default automatically.

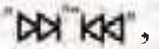
6.4.3.4 Introduction of pressing full-automatic channel search method: when the player is on, in MW/FM/SW band, press and hold “▶” for 2 seconds to enter the full-automatic scanning stored channel search. Search from the lowest frequency point to the highest frequency point of current receiving band.

In the process of full-automatic scanning search, "PRESET 01-PRESET **" is displayed on the right of LCD (figure means the address of storing channels). After a round of search is completed, search stops automatically, and the first frequency point program searched is played.

Number of channels stored in MW/FM/SW mode respectively: 99, and 297 channels stored in total.

Note: the number of channels stored depends on local signal intensity.

6.4.3.5 Pressing semi-automatic channel search: press and hold , the radio enters the function of semi-automatic channel search. It can be seen from LCD that frequency is changing fast. A channel is searched, then search is stopped.

6.4.3.6 In radio mode, lightly press , then frequency increases and decreases progressively based on the min step value of bands.

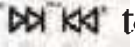
After a clear channel is searched with above six methods, TUND signal light is on.

6.4.4 About the short meter wave

Short wave reception range: 4.750-21.850MHz.

In order to choose a short wave channel more quickly, 9 meter waves are set in SW mode. Lightly press MOD, LCD displays 5.600MHz, 7.350MHz, 9.900MHz, 12.100MHz, 13.870MHz, 15.800MHz, 17.900MHz, 19.100MHz and 21.850MHz.

6.4.5 Method of storing channels manually

In radio mode, search the target frequency point using six methods in 6.4.3. Press and hold "SET" to enter the channel storing mode. The address of storing channel  is flashing on LCD, now press  to select an address of storing channel. Press "SET" again, the address of storing channel stops flashing, and the manual channel storing is completed.

6.4.6 About channel taking

Channel storing is completed according to the method of full-automatic channel search in 6.4.3.4 and operation method of storing channel manually in 6.4.5.

Lightly press “SET” to enter the mode of channel taking. When “PRESET” is displayed, lightly press “BT” to take a channel. The channel will change to another one and “PRESET00-PRESET **” will be displayed every time when you press “BT” (“01-**” is the address of taking a channel).

If no channel is stored, “PRESET --” will be displayed when taking a channel.

6.5 Play in Bluetooth mode

Bluetooth name of the product: “IIRD-701”.

Switch to “BT”, “[]” is rolling, which indicates waiting to enter the Bluetooth mode. The player enters Bluetooth mode about 3 seconds later, “✖” is flashing, which indicates waiting to connect to Bluetooth. After connection, “✖” is in state of always. By operating the mobile or the device, the volume, previous/next, etc. can be controlled. In Bluetooth mode, the music spectrum “TFVR=====” changes with the melody. Lightly press “▶|” to switch between play and pause. (“▶” means play, and “|” means pause)

6.6 Play in TF card mode

When the player is on, switch to TF card “M_PLAY”, “[]” is rolling, which indicates waiting to enter the TF card mode. The player enters the TF card mode about 3 seconds later, LCD displays NULL, which indicates waiting to insert TF card. After TF card is inserted, the time of play will be displayed.

Please insert TF card in correct direction. (Note: lightly press the TF card to take it out, but do not pull it out.)



When playing MP3 songs, the music spectrum “” automatically changes with the melody. Lightly press “” to play the next song, lightly press “” to play the previous song, press and hold “” to fast forward, press and hold “” to fast backward, lightly press “” to pause/play. Songs can also be selected with shuttle pulley. Slide upwards to play the previous song, and slide downwards to play the next song.

A play mode can be selected when playing in TF card:

Lightly press “BAND”, rA, rO, rF and rT are displayed on the right of LCD:

rA (play in order), rO (single cycle), rF (repeat the music in current folder) and rT (random play)

Method of selecting a song fast with shuttle player:

Lightly press “MOD”, the figure of the song played is flashing. According to the songs stored in TF card, lightly press “MOD” again, the flashing figure moves to the number of song in need of change. Lightly push the shuttle button to select a song, press and hold “MOD” to confirm, the song display stops flashing, and the song selected currently is played.

7. Clock setting method

After battery is installed, press the power button to display the time.

Press and hold “” for 2 seconds, “hour” flashes, lightly press or press and hold

“”, “” or push the shuttle pulley to adjust current “hour”. Lightly press “”, “minute” flashes, lightly press or press and hold “”, “” or push the shuttle pulley to adjust current “minute”. Lightly press “” to display “24HT” or “12HT” time system, lightly press “”, “” or push the coded pulley switch on the right of player to select “24HT” or “12HT” time system. Lightly press “” to confirm the adjusted running time and time system. ※“12HT” time system: “A.M” on screen means before noon, and “P.M” on screen means afternoon.

8. Timed on/timed alarm clock setting

Timed on and timed alarm clock can be set for the product.

The time can be set according to Article 7.

When the clock is displayed, lightly press “SET” to display “”.

Press and hold “SET” for 2 seconds, “” and “hour” flash, lightly press “”, “” or push the shuttle pulley to set the “hour” of timed on or alarm clock.

Lightly press “SET”, “” and “minute” flash, lightly press “”, “” or push the shuttle pulley to set the “minute” of timed on or alarm clock.

Lightly press “SET” to display “” (it means timed on) or “” (it means timed alarm clock). when “” or “” is displayed, lightly press “”, “” or push the shuttle pulley to select timed on “” or alarm clock “”.

After selection is completed, lightly press “SET” to confirm, or stop operation when “” or “” flashes, and the adjusted current setting will be confirmed automatically 5 seconds later. After selecting timed on (LCD displays “”), the time to timed off can be selected: 10 minutes -20 minutes -30 minutes -40 minutes -50 minutes -60 minutes -70 minutes -80 minutes -90 minutes -FULL (no limit of duration of off), which can be operated as follows: when “” flashes, lightly press “SET” and LCD displays 10, 20, 30, 40, 50, 60, 70, 80, 90.FULL(no limit of duration of off). Lightly press “”, “” or push the shuttle pulley to select the time to timed off, and then press “SET” to confirm.

※ After timed on and manual channel search, the time to timed off will be invalid.

※ “” timed on: switch to any place of , when it's time to timed on/off, the set function will be played automatically (in Bluetooth mode, it can only be played by clicking on Bluetooth device.)

※ “” timed alarm clock: when it's time to timed alarm clock, “” flashes, and the player will give out a sound of ring for 3 minutes. The alarm clock will ring every five minutes, and you can lightly press any button to stop it.

Close the timed on/timed alarm clock: when the clock is displayed, lightly press “SET” and “” will disappear.

9. Timed off (sleep)

When the player is on, press and hold “” for 2 seconds, “ 120” is displayed. Start the function of 120-minute timed off for sleep, when “ 120” “” flashes, lightly press “” to adjust the time to timed off for sleep. After adjustment, do not operate current adjusted time within 5 seconds, and the player will be off automatically at the time of timed off.

The time to timed off for sleep: 120 minutes, 110 minutes, 100 minutes, 90 minutes, 80 minutes, 70 minutes, 60 minutes, 50 minutes, 40 minutes, 30 minutes, 20 minutes and 10 minutes. Lightly press to cancel the function of timed off for sleep.

10. Select an EQ

In Bluetooth/TF card mode, lightly press “SET” to select an EQ:

E1: NORMAL, E2: POP, E3: ROCK, E4: JAZZ

E5: CLASSIC, E6: COUNTRY

Do not operate current adjusted EQ within 3 seconds.

11. TYPE-C USB jack charging

It is recommended to use a charging device with output voltage of DC5V/1A-DC3A to so as to avoid damage to lithium batteries or the equipment.

If the battery is not in use for a long time, please take out and store it separately, and charge it once a month.

“” flashes after USB charging cable is inserted, which means it's charging. “” stops flashing when it is fully charged. The charging time is generally 4-5 hours.

12. Operation of turning off the screen and backlight

When the screen is turned off, lightly press “” to display the clock; turn on the screen with backlight, lightly press “” again to turn on the player. When the clock is displayed, the clock and backlight are turned off automatically 5 seconds after

operation is stopped. When the player is on, backlight will be turned off automatically about 10 seconds after operation is stopped, and you can lightly press any button to start the backlight.

13. Use of antenna

When receiving SW, FM and WB, pull out the antenna, change the length of antenna and find a direction for the best receiving effect.

*Note: In case of crosschannel due to strong intervention, shorten the rod antenna.

The product uses built-in magnetic antenna to receive medium wave and the magnetic antenna is a certain directional when receiving signal, so you can rotate the player properly to find a position for the best receiving effect when receiving MW.

14. Main technical parameters

Receiving range	FM: 64-108MHz MW: 520-1710KHZ SW:4.750-21.850MHz WB:162.400-162.550MHZ
Receiving sensitivity	FM:≤8dB MW:86dB SW:40dBuV
Quiescent current	≤60uA
Max current	≤720mA
Speaker	Φ40mm/4Ω/3W

Signal to noise ratio	FM:>40dB MW:≥30dB SW:≥40dB
Number of channels stored in FM mode	297 (99 channels stored in FM, MW and SW mode respectively, and 297 channels stored in total)
Bluetooth version	VER 5.0
Bluetooth receiving distance	≤10m
Min working voltage	3.4V
External input voltage	DC5v
Lithium battery	BL5C lithium battery: 3.7v 1000mAh
Play format of TF card	Support MP3 & WAV & WMA format
Max support capacity of TF card	256G
Product size	89.2X61X37.8MM
Product net weight	110g

15. Notes:

Before using the product, please ensure that you follow the following basic safety tips so as to ensure safe and reliable usage of the product:

- ◆ Read and understand all safety guidelines and usage information.
- ◆ When the battery  character is used or the outer box of the battery  flashes, it indicates that the battery is low and you should charge the machine to ensure its normal operation.
- ◆ It is recommended to use a charging device with output voltage of DC5V/1A-DC3A to so as to avoid damage to lithium batteries or the equipment.
- ◆ If the machine is not in use for a long time, please take out the lithium battery and store it separately, and charge it once a month.
- ◆ Do not expose the product to rain, moisture, dripping or splashing of any liquid.
- ◆ Do not place the product near high temperature heat source; do not barbecue or blow it at high temperature.
- ◆ Do not place the product in direct sunlight for a long time.
- ◆ Do not let the product fall or be hit or put heavy pressure on it.