



User's Manual

SP9

- Thank you for purchasing this product.
- The specifications, data and contents in this user manual are subject to change without prior notice for quality improvement.

Rev.1.2(EN)

Safety Precautions

Safety precautions are intended to prevent unexpected risks or damages by using the product correctly, so please make sure to follow them.



Warning

Indicating that serious damage may occur if care is not taken when using the product



Caution

Indicating precautions to be taken to use the product in a safe and correct way



Notice

A sign that provides notes or additional information that are useful to know when using the product



· The product and some accessories (sold separately) have a built-in magnet. Keep a safe distance when using items affected by magnets such as credit cards.



· If you use SP9 with its tempered glass broken, there is a risk of getting injured. Therefore, make sure to have it repaired at the SOLT Customer Center before using it.



· Never disassemble, repair or modify the device on your own (please contact SOLT Customer Center when the device needs to be repaired).



· Do not poke the hole on the exterior of SP9 with a sharp object. It may damage the internal components or the device's water-resistant function.



· If you put a metal sticker near an antenna, it may interfere with signal reception.



· Although it is designed to be water-resistant, its water-resistance performance may deteriorate due to harsh conditions of use or with aging. Components except SP9 are not water-resistant.



· The product exterior, specifications, etc. may change without prior notice for quality improvement.

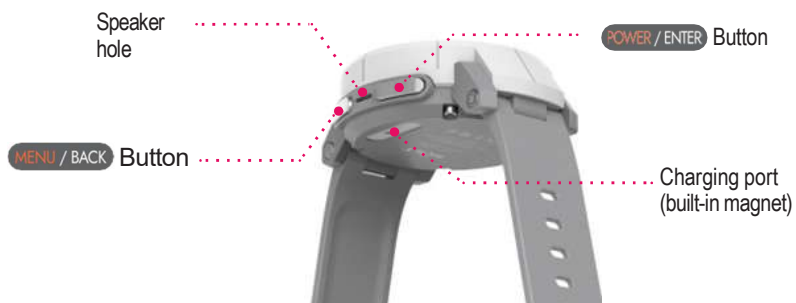
Overview of SP9

SP9 is linked to the SOLT call bell, enabling immediate response to the caller's request. Depending on the wearing style, it is divided into 3 types, wristwatch, belt clip and pocket clip which is easy to change depending on the environment for using it.

Model Name	SP9-100	SP9-200	SP9-300
Image	 A wristwatch with a grey urethane strap and a black digital display showing '7:35'.	 A watch with a white leather strap and a black digital display showing '7:35'. It has a metal clip at the bottom.	 A watch with a white leather strap and a black digital display showing '7:35'. It has a metal clip at the bottom.
Wearing style	Wristwatch	Belt clip	Pocket clip
Material	Urethane + Metal buckle	Leather + Metal tension	Leather + Metal clip
Main place of use	Restaurants, supermarkets, etc.	Factories, industrial facilities, etc.	Hospitals, clinics, nursing homes, etc.

Name of Each Part

Body



 Do not poke the speaker hole with a sharp object.

Components

[Body]

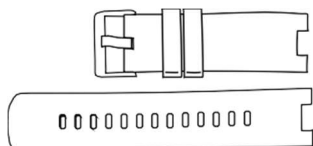


[Brief user guide]



※ Options

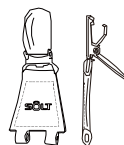
[Wrist band]



[Belt clip]

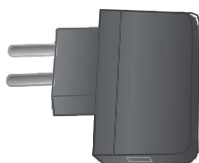


[Pocket clip]



Accessories (sold separately)

[Adaptor]



Input : AC100~240V, 50~60Hz
Output : DC5V 1A (USB-A type)

[USB Charging cable]



How to Wear

There are 3 types, wristband type (SP9-100), belt clip type (SP9-200) and pocket clip type (SP-300), depending on the specifications of the device you have purchased. To change an accessory, remove the accessory you've been using and then replace it with a new one. A **T1.5 hex wrench driver** is required for replacement.

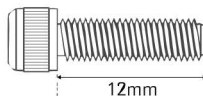
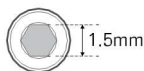
Attaching the wristband

- 1) Attach the wristband, then tighten the wrench bolts on both sides.



Note

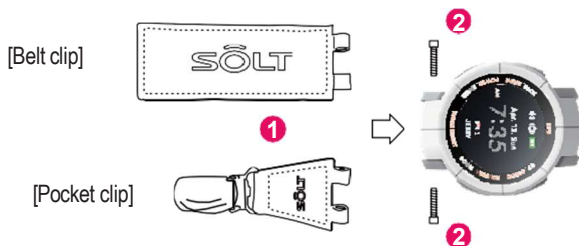
Wrench bolt size: STS M2.0 x 12



Attaching the belt clip or pocket clip

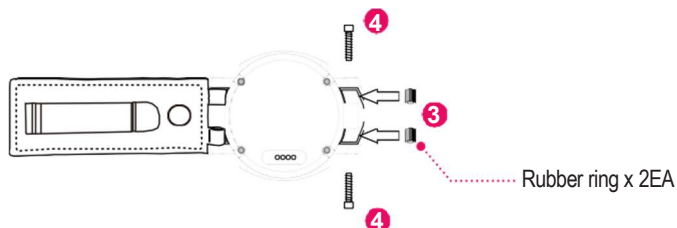
1) Attach the clip to the bottom of the main body, then tighten screw bolts on both sides.

<Front>



2) Insert the rubber ring into the empty space at the top, then tighten the remaining bolts.

<Back>



! Do not over-tighten the bolts. If you tighten them too much, the case may be damaged or the band or clip wouldn't bend smoothly.



Turning the Device On/Off

To turn on the device

Press **POWER / ENTER** button for 2 seconds to turn on SP9.

When turning on the device after not using for a long time, it may not be turned on because the battery is discharged. Charge the battery sufficiently before use.

Press here for 2 seconds.



To turn off the device

Press **POWER / ENTER** button for 2 seconds on the stand-by screen.

When pressing briefly with **POWER / ENTER** button on the center of the  screen, the device will be turned off.

When pressing **MENU / BACK** button with  displayed, it will cancel the turning off command.

Press here for 2 seconds.



Cancel the turning off command.



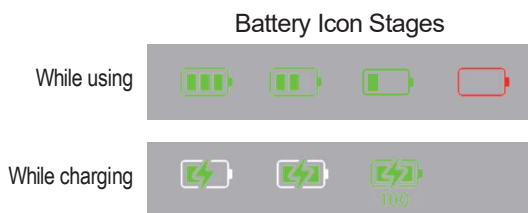
Turn off the device.

Charging the Battery

When using SP9 for the first time or after not using for a long time, charge the battery sufficiently before use.

To charge the battery

- 1) Connect the body and the adaptor (or a PC USB port) with a Charging cable.
- 2) You can check the charging status on the screen (if the battery is completely discharged, the charging status may not be displayed).
- 3) Remove the cable after the SP9 is fully charged.

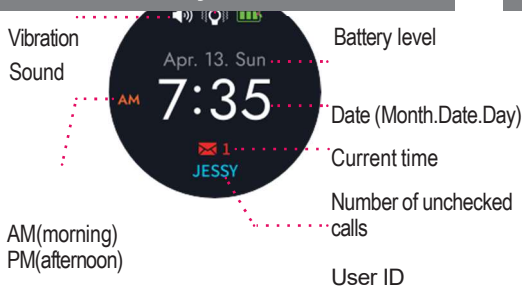


Note

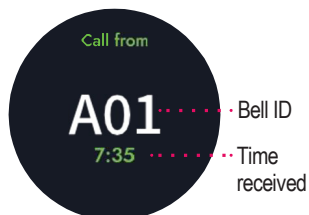
When the battery is completely discharged, the device may not be turned on immediately even though it is connected to the charger. In this case, charge it for about 30 minutes before turning on again.

Screen Layout

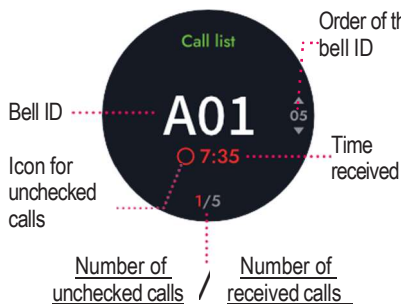
Stand-by screen



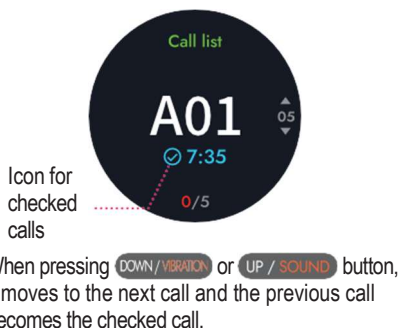
Call receiving screen: [A01] Receiving a call bell



Checking accumulated messages on the stand-by screen (by pressing the navigation keys)



Ex: You received total 50 calls, 1 unchecked.



When pressing **DOWN / VIBRATION** or **UP / SOUND** button, it moves to the next call and the previous call becomes the checked call.

Cancel screen: Cancel screen of [A01] call bell



Cancel button of [A01] call bell



· 'Confirmed from' and [A01] call bell is displayed on the screen.



Note

A total of 50 received calls can be stored.

(When a 51st call is received, the 1st received call will be deleted.)

Functions of the Buttons

- When pressing and holding the button for 2 seconds on the stand-by screen, the function written in orange will work.
- When pressing the button briefly on the menu screen, the function written in white will work.

Button Location	Button Name	Description
	[MENU]	Press and hold for 2 seconds on the stand-by screen to enter the menu screen.
	[BACK]	Go back to the previous step whenever pressing while on the menu screen.
	[POWER]	Press and hold for 2 seconds to turn the device on or off.
	[ENTER]	Press briefly on the menu screen to enter the corresponding menu.
	[SOUND]	Press and hold for 2 seconds on the stand-by menu to turn on or off the sound.
	[UP]	Press briefly on the menu screen to move upward. Press briefly in the setting value to increase the value.
	[VIBRATION]	Press and hold for 2 seconds on the stand-by screen to turn on or off the incoming call vibration.
	[DOWN]	Press briefly on the menu screen to move downward. Press briefly on the setting value to decrease the value.

Menu Description

There are total 14 menus. When you select each menu, you can enter the submenus.

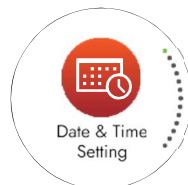
Icon	Menu	Description
	Date & Time Setting	Set the date (month, date, year) and a digital clock (hour: minute).
	Bell Registration	Register a new call bell.
	All Bell Deletion	Delete all registered bell IDs.
	Individual Bell Deletion	Delete registered bell IDs by selecting them individually.
	Change Bell ID	Change the registered bell ID to a different one.
	DUPT Setting	'DUPT function' allows the same call to be received only once during the set time.
	Screen-on Time Setting	Set the time to display the screen.
	Sound Setting	Set the sound for incoming calls.
	Vibration Setting	Set the vibration for incoming calls.
	Alarm Repetition Setting	Set the number of repetitions of sound and vibration for incoming calls.
	Haptic On/Off Setting	'Haptic on' function allows the device to vibrate when pressing any button.
	Password Setting	Set the password for entering the main menu.
	User Name Setting	Enter the name of a person in charge.
	User's Manual	Scan the QR code with a mobile phone to check the user manual (no sub-menu).



Date & Time Settings

Set the date and time of the mobile receiver.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.



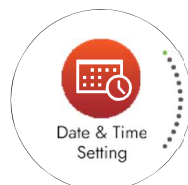
2) Press **POWER / ENTER** button on the position of  icon to enter.



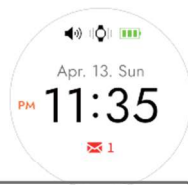
3) Press **UP / SOUND** **DOWN / VIBRATION** button to increase or decrease the value, and press **POWER / ENTER** button to move the position.



4) Press **MENU / BACK** button to complete the setting and go back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.



Note

1) It is entered in the order of 'month, date, year' on the setting but it is displayed in the order of 'month, date, day' on the stand-by screen.



Bell Registration

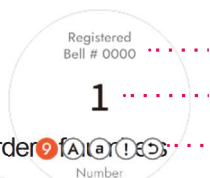
You can register up to 2,000 call bells.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



- '1' is displayed on the screen.



Number of registered bells

Bell ID to register

Characters

3) Registration method 1: Register in the order



Call bell No. 1



Call bell No. 2



Call bell No. 3

- Press a call bell to register as No. 1 on the '1' screen, it is registered as '1' with a ding dong sound, and then the number on the screen changes to '2.' Call bells can be registered by pressing call bells sequentially.

4) Registration method 2: Register with different numbers or letters



- Example> Register '1C' call bell

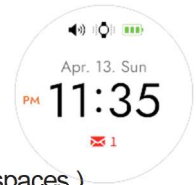


- When the call bell is registered, 'It has been registered' is displayed and the current cursor value increases by one level.
- If the bell is already registered, 'It is already registered' is displayed.

5) Press **MENU / BACK** button after registering a Bell ID to complete the settings and move back to the previous step.



6) Press **MENU / BACK** button to display the stand-by screen.



※ Available characters (you can use up to 16 characters including spaces.)

Numbers	1234567890
Upper cases	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Lower cases	abcdefghijklmnopqrstuvwxyz
Special characters	!"#\$%&'()*+,-./:;<=>@[\] ^ _ ` { } ~ ¡ ¢ £ ¤ ¥ ¦ § ¨ © ª « ¬ ® ¯ ° ± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾ ¿ À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã ä å æ ç è é ê ë ì í î ï ð ñ ò ó ô õ ö ÷ ø ù ú û ü ý þ ÿ

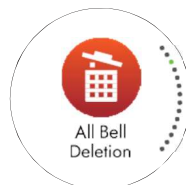


ALL Bell Deletion

You can delete all registered call bells.

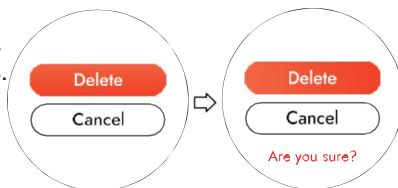
1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



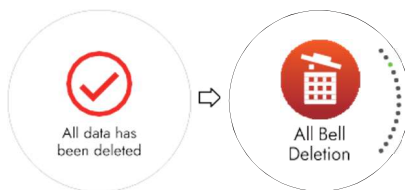
3) All call bells are deleted once this mode is activated, so it asks once again to delete all call bells.

- Press **POWER / ENTER** button on the [Delete] position to delete.
- Move to [Cancel] and press **POWER / ENTER** button to cancel.

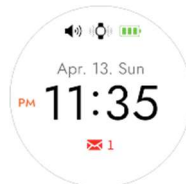


4) After deleting all call bells is complete, it moves back to the previous step.

- When the bell is deleted successfully, 'All data has been deleted' is displayed.



5) Press **MENU / BACK** button to display the stand-by screen.



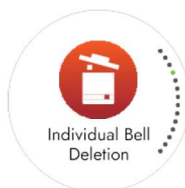


Individual Bell Deletion

You can select a registered call bell individually to delete.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.

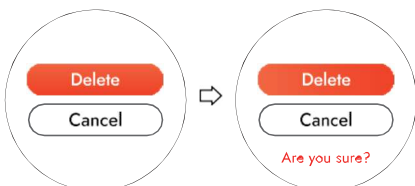


3) Move to the position of a bell ID you want to delete using **UP / SOUND** **DOWN / VIBRATION** button and press **POWER / ENTER** button.



4) Since the selected call bell is deleted if you press delete, it asks once again to delete.

- Press **POWER / ENTER** button on the position of [Delete].
- Move to [Cancel] and press **POWER / ENTER** button to cancel.

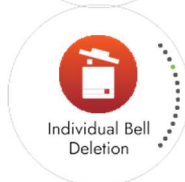


5) After deleting an individual call bell, it moves back to the previous step. Repeat 3)~5) to delete other numbers.

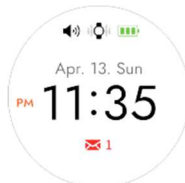
- When a bell is deleted successfully, 'The data has been deleted' is displayed.



6) Press **MENU / BACK** button to move back to the previous step.



7) Press **MENU / BACK** button to display the stand-by screen.





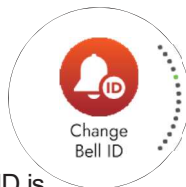
Changing Call Bell IDs

You can change the ID of a registered call bell.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.

3) When you press the call bell to change, the previously registered ID is displayed with 'ding dong' sound.



Previously registered ID
ID to change

4) Enter a new ID.

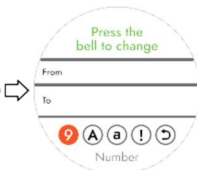
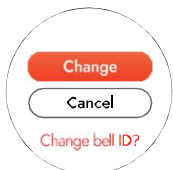
- To enter an ID, see page 16 '(4) Registration method 2)'.



5) After changing an ID, press **MENU / BACK** button to check if it is changed.

- Press **POWER / ENTER** button on the location of [Change] to change.
Move to [Cancel] and press **POWER / ENTER** button to cancel.

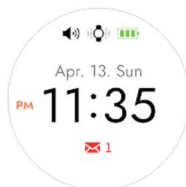
Repeat 3)~5) to change other call bells' IDs.



6) Press **MENU / BACK** button to move back to the previous step.



7) Press **MENU / BACK** button to display the stand-by screen.

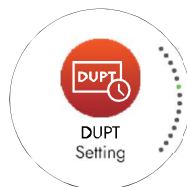




DUPT Settings

The same call will be received only once during the set time.

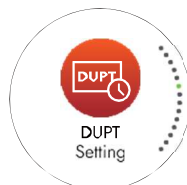
- 1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.
- 2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



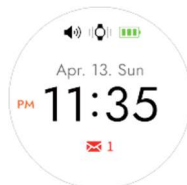
- 3) Press **UP / SOUND** **DOWN / VIBRATION** buttons to change the value.
 - The initial setting value is [3] seconds. (Setting range: 1~60) (the same call bell is displayed only once for 3 seconds.)



- 4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



- 5) Press **MENU / BACK** button to display the stand-by screen.



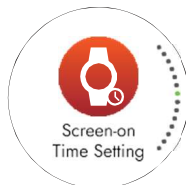


Screen-on Time Setting

You can set the duration for which the device's screen stays on.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



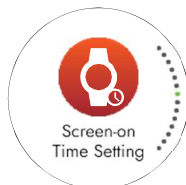
3) Press **UP / SOUND** **DOWN / VIBRATION** buttons to change the value.

- The initial setting value is [15] seconds.

(Setting range: 5 sec, 10 sec, 15 sec, 20 sec, 30 sec, 1 min, 2 min, 5 min, 10 min)



4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.



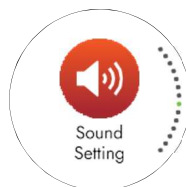


Sound Setting

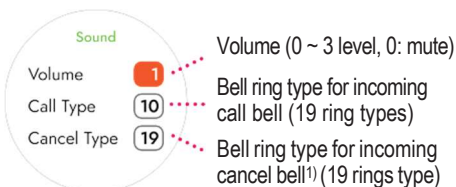
You can set the sound mode for incoming calls.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

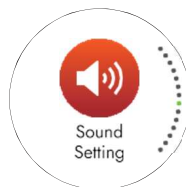
2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



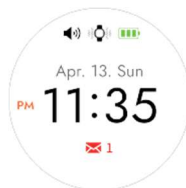
3) Press **UP / SOUND** **DOWN / VIBRATION** buttons to increase or decrease the value and press **POWER / ENTER** button to move the position.



4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.



Note

1) 'Bell ring for incoming cancel bell' is available only for call bells with cancellation function.



Vibration Setting

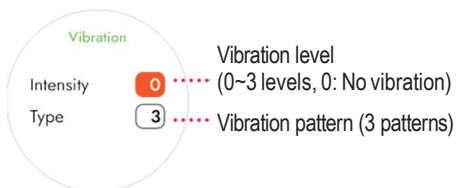
You can set the vibration mode for incoming calls.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

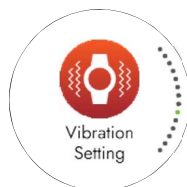
2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



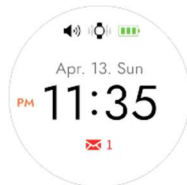
3) Press **UP / SOUND** or **DOWN / VIBRATION** button to increase or decrease the value and press **POWER / ENTER** button to move the position.



4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.



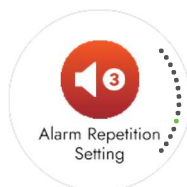


Alarm Repetition Setting

You can set how many times the device will sound and vibrate repeatedly when receiving a call.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



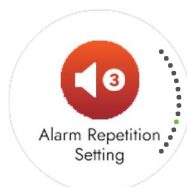
3) Press **UP / SOUND** or **DOWN / VIBRATION** button to change the value.

- The initial setting value is [1] time repetition.

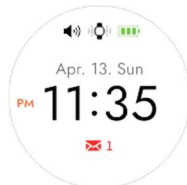
(Setting range: 1,2,3,4,5,10,15,20,25,30, ∞ (repeating continuously until pressing any button))



4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.



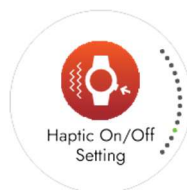


Haptic On/Off Setting

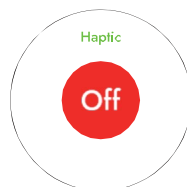
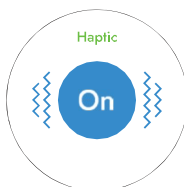
Vibrations are made whenever pressing any button.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

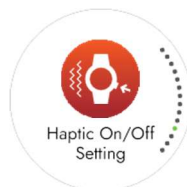
2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.



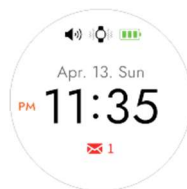
3) Press **UP / SOUND** or **DOWN / VIBRATION** button to change the setting.



4) Press **MENU / BACK** button to complete the setting and move back to the previous step.



5) Press **MENU / BACK** button to display the stand-by screen.





Password Setting

You can set the password on or off for important menus such as bell registration, deletion, etc.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.

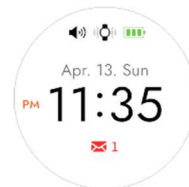
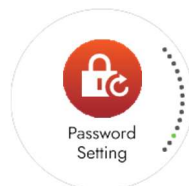
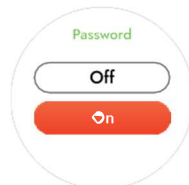
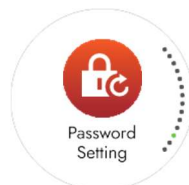
3) Press **POWER / ENTER** button on the [On] position to set the password or move to the [Off] position and press **POWER / ENTER** button to cancel the password setting.

4) Press **UP / SOUND** or **DOWN / VIBRATION** button to move and press **POWER / ENTER** button to choose a number. If the password is correct, it moves to the next step and if the password is incorrect, it stays on the current window.

- The password is [0106], and it cannot be changed.

- You can cancel the setting by pressing **MENU / BACK** button while pressing the password.

5) Press **MENU / BACK** button to display the stand-by screen.



Note

Menus that a password is applied are as follows.

The password window appears when entering these menus.



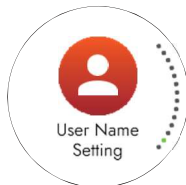


User Name Setting

You can display a user name on the stand-by screen.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

2) Go to  icon using **UP / SOUND** or **DOWN / VIBRATION** button, then press **POWER / ENTER** button to enter.

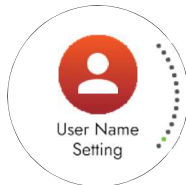


3) Enter the name you want.

- To change the name, see page 16 '(4) Registration method 2)'.

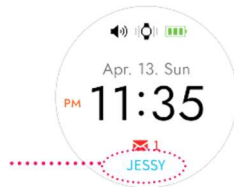


4) Press **MENU / BACK** button to complete the setting and move back to the previous step



5) Press **MENU / BACK** button to display the stand-by screen.

User name





User's Manual

Scan the QR code to check the user's manual.

1) Press and hold **MENU / BACK** button for at least 2 seconds to enter the menu.

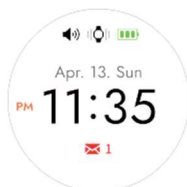
2) Press **UP / SOUND** or **DOWN / VIBRATION** button to move to  icon.



3) Turn on the camera on your mobile phone and scan the QR code on the screen of SP9.

- You can check or download the User's Manual on your mobile phone.

4) Press **MENU / BACK** button to display the stand-by screen.



Note

User's Manual URL : <https://soltbell.co.kr/home/manual/>

Product Specifications

The product specifications are subject to change without prior notice for performance improvement.

Model	SP9
Frequency (MHz)	433.10 ~ 434.70
Freq Stability	±5 ppm
Data Rate	1800 bps
Modulation	FSK (±3KHz)
Sensitivity	-118dBm (at Direct)
Power Supply	DC 3.7V/600mAh Li-Polymer Battery (Rechargeable)
Dimension (mm)	52 x 62 x19 (Without BAND)
Standby Time	about 3 days
Antenna	Helical (Internal)
RF Output Power	-8.94 dBm

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 (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

