



Service Calling System

User Manual

Pinnacle Technology Corp

All specifications are subject to change without notice

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FCC Statement

The devices comply 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 has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

CONTENT

1	BRIEF INTRODUCTION	- 1 -
1.1	What is Service Calling System?	- 1 -
1.2	How to Start the System?	- 2 -
2	CALLING DEVICE	- 4 -
2.1	Service Caller Appearance	- 4 -
2.2	Specification.....	- 5 -
2.3	Dimension	- 5 -
2.4	Installation.....	- 6 -
2.4.1	Fix the Menu Sheet.....	- 6 -
2.4.2	How to Fix SC2X on the Table	- 10 -
2.4.3	Print Table Number Label	- 11 -
2.4.4	How to install table number label	- 12 -
2.5	Function Keys Description.....	- 14 -
3	DISPLAY DEVICE	- 16 -
3.1	Wall Display (BD1X).....	- 16 -
3.1.1	Appearance	- 16 -
3.1.2	Working Condition	- 16 -
3.1.3	Specification.....	- 17 -
3.1.4	Interface	- 18 -
3.1.5	Dimension	- 18 -
3.1.6	Hang Style	- 18 -

3.2	WD1X Watch Type Display/PD1X Waist Pager Type Display	- 19 -
3.2.1	Appearance	- 19 -
3.2.2	Cautions	- 19 -
3.2.3	Specification	- 20 -
3.2.4	Dimension	- 20 -
3.2.5	Key Function	- 21 -
3.2.6	Working Condition	- 22 -
3.2.7	Function Set	- 23 -
4	SIGNAL REINFORCEMENT DEVICE	- 31 -
4.1	RF Repeater	- 31 -
4.2	Dimension	- 31 -
4.3	Installation	- 32 -
4.4	Setting Wireless Parameters for RF Repeaters	33
4.4.1	Ready	33
4.4.2	Enter the Mode of Parameter Setting	33
4.4.3	Setting of Each Parameter	34

1 BRIEF INTRODUCTION

1.1 What is Service Calling System?

Service Calling System is a wireless system adopts 433 MHz wireless communication technique, including **display devices, calling devices and signal reinforcement device**.

1. **Display devices:** WD1X watch type display, PD1X waist pager type display, and BD1X wall display.
2. **Calling devices:** SC1X service caller, SC2X service caller.
3. **Signal reinforcement device:** RR1X RF repeater.

Note: Signal reinforcement device is dispensable. It is used when you need to extend communication distance or enhance signal intensity.

With advanced characters of wireless communication technique, Service Calling System is widely used in all kinds of service field, like fastfood stores, restaurants, coffee houses, bars, super markets, KTV, etc.



✧ **Apply a whole set of devices:**



SC1X Service Caller



SC2X Service Caller



WD1X Watch Type Display



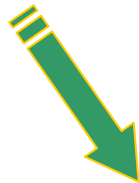
PD1X Waist Pager Type Display



BD1X Wall Display

[Calling Devices]

[Display Devices]



RR1X RF Repeater

[Signal Reinforcement Device]--- (optional)

1.2 How to Start the System?

1. Match the calling device with display device.
 - ✓ Match the calling device with BD1X display device.
 - ✓ Match the calling device with WD1X/PD1X display device.
2. Match the calling device with RF repeater. If RR1X RF repeater is applied, it is necessary to match the calling device with RF repeater.
3. Having matched successfully, the calling device can send customers' demands to the display device by means that customers press corresponding keys on the service caller and then the display device shows the service code no it. As soon as the service code is displayed, employees get to know customers' requirements clearly, and then react

promptly, thus greatly improve working efficiency.

2 CA

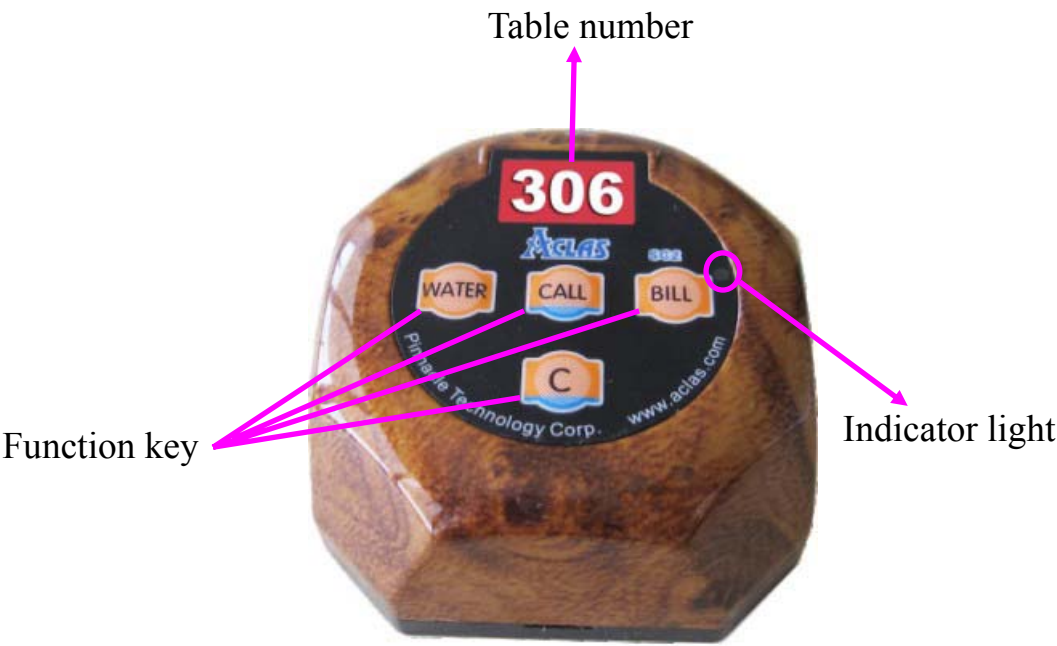
3 LLING DEVICE

3.1 Service Caller Appearance

SC1X:



SC2X:

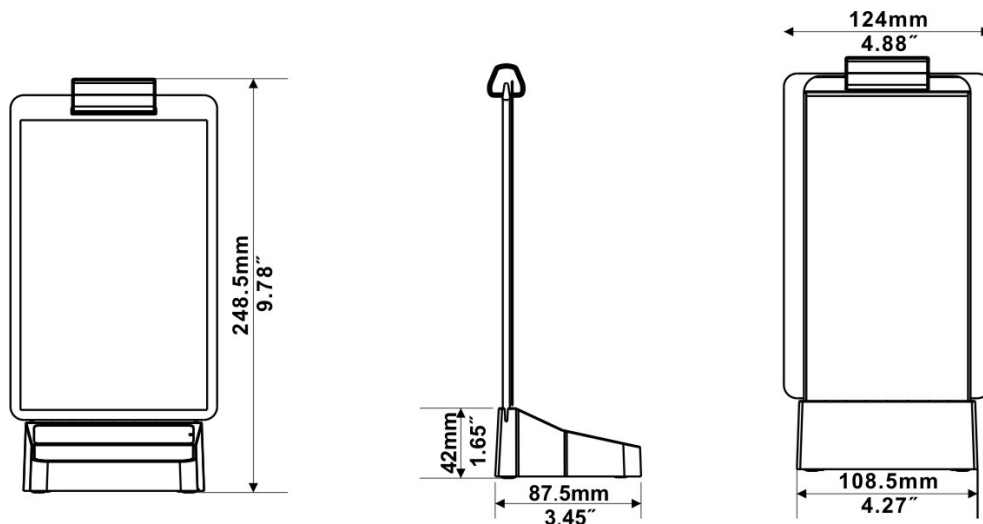


3.2 Specification

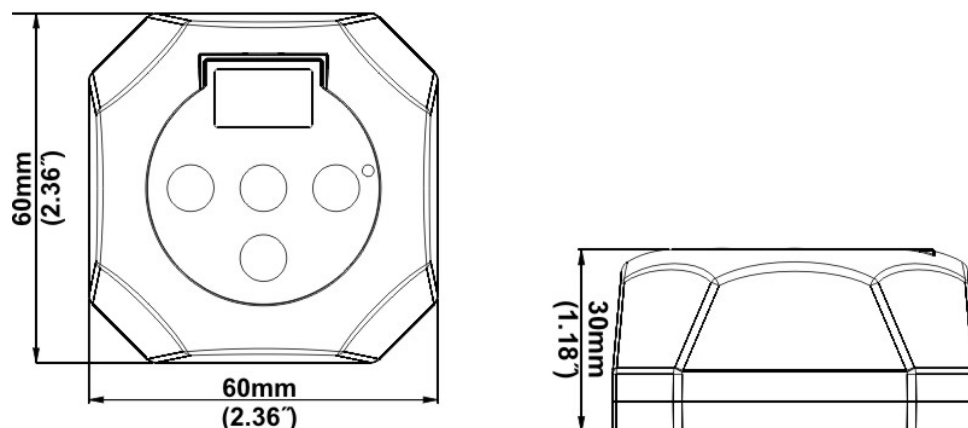
Power	One dry battery (12V)
Standby current	Less than 1uA
Work current	20mA
Work temperature	0℃~40℃
Work humidity	5%~85%
Keyboard	4 keys
Wireless distance	100m
Dimension	SC1X: 88mm*124mm*249mm SC2X: 60*60*30mm
Weight	SC1X: 205g (including menu board) SC2X: 56g

3.3 Dimension

SC1X:



SC2X:



3.4 Installation

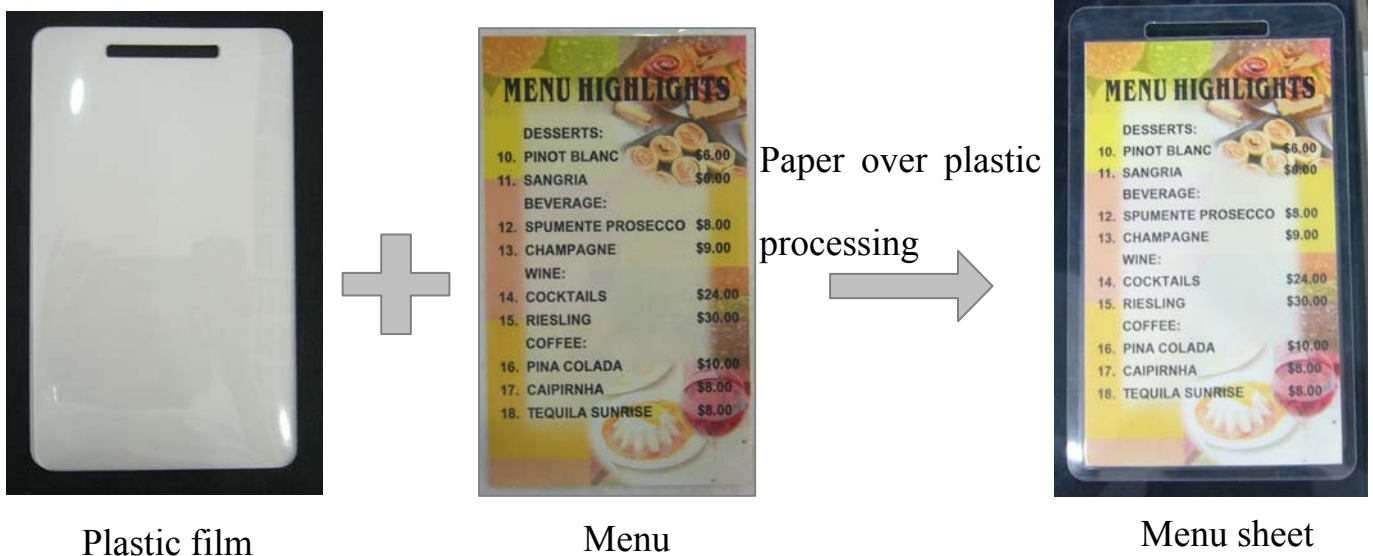
3.4.1 Fix the Menu Sheet

SC1X service caller possesses not only service calling function but also a vertical board which can hang the menu sheet, ad, receipts, etc, presenting clean esthetic menu appearance, and convenient to update the menu or add new dishes billboard.

Installation is detailed as follows:

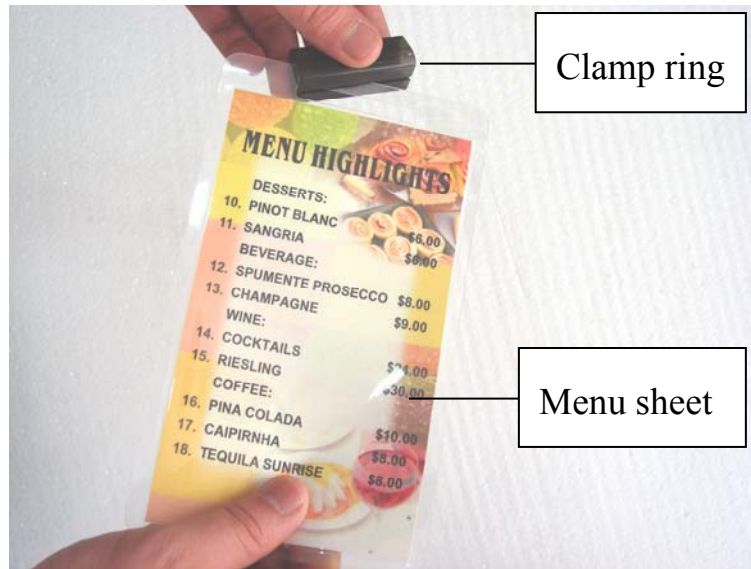
- Step1: Make menu sheet.

Insert the menu sheet you have made into the plastic film (4 pieces are included in the packing case), and then do paper over plastic processing.



- Step2: Insert the menu sheet into the clamp ring.

Clamp ring could fix menu sheet and menu clip on billboard.



- Step3: Insert bill clip to clamp ring.

Insert the bill clip to the clamp ring. As both the bill clip and the billboard have magnetic properties, they could attract each other; therefore the bill can be clipped between them.



→ bill clip

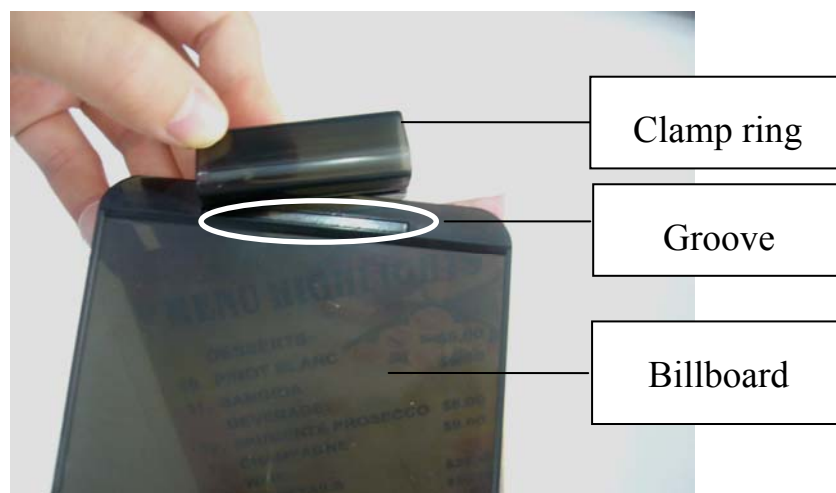


Note: Press both sides of the bill clip towards the midst with two fingers, and then fix it into the clamp ring.

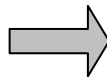
➤ Step 4: Fix the clamp ring into the billboard

First insert one end of the clamp ring to the groove of the billboard, and then the whole smoothly. Please refer to the following picture.

Note: Make sure the bill clip could touch with the billboard directly, as the two both have magnetic properties and could attract each other, so that the bill could be fixed between them.



➤ Step5: Insert the billboard into the pedestal.



- Step6: Stick the table number label to the clamp ring.



Stick the table number
to the clamp ring.

1. Pull up the bill clip;
2. Insert the bill between the bill clip and the billboard;
3. Drop the bill clip, and then the bill will be clipped.

⚠ Note: Do not take off the clamp ring forcibly, or it will be damaged. Please do proper operation as below:

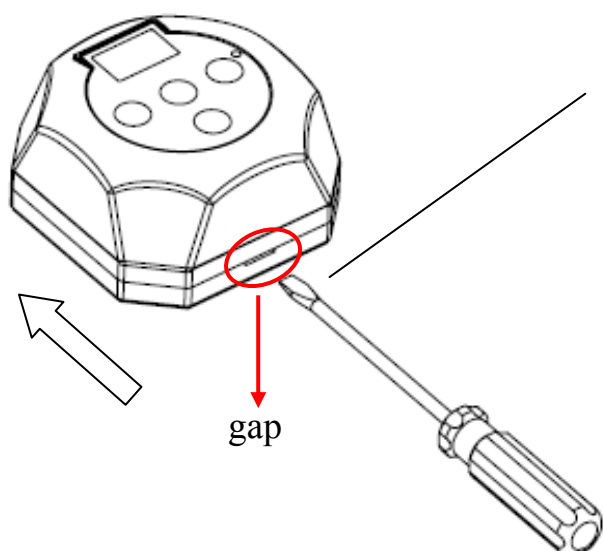


Hold the billboard with your palm, and parallel push the clamp ring.

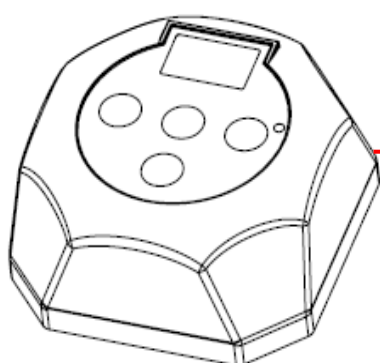
3.4.2 How to Fix SC2X on the Table

Fix SC2X on the table to avoid missing it. There are two methods as follows:

Method 1: Use screws to fix SC2X on the table.



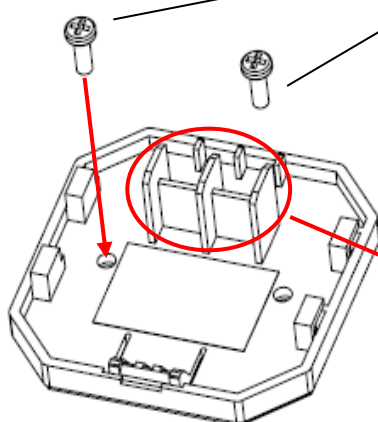
1. Insert the straight screwdriver in the gap flatly, and then the bottom cover will be prized up a little. Push the upper cover towards the arrow direction.



Upper cover

2. Use two screws to fix the SC2X on the table.

Note: There are two screws and two green plastic pipes available in the accessory package.

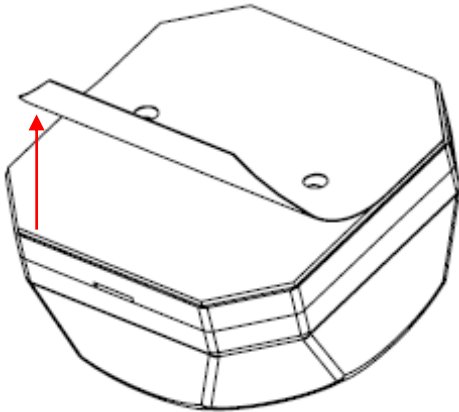


Battery position

3. Close the upper cover, and then a sound of click will be heard.

Method 2: Use glue paper to stick SC2X on the table.

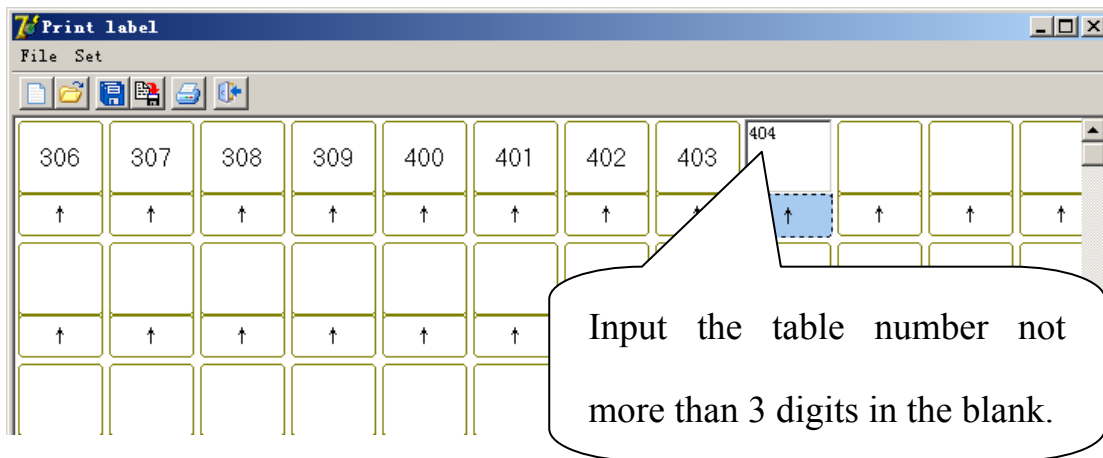
Instead of screws mentioned in method 1, back glue paper with high intensity of stickiness is able to stick on any position of the table.




Rip off the glue paper on the back of SC2X, and then paste SC2X on the table.

3.4.3 Print Table Number Label

- 1) Double click 'Print label.exe' program in the attached CD disk to edit table numbers.

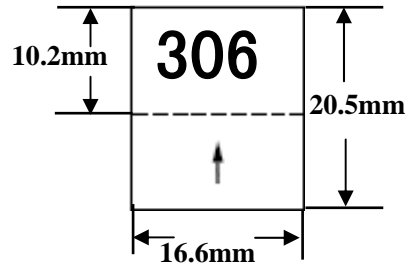


Note: The font and color of the table number can be edited in 'Set' menu.

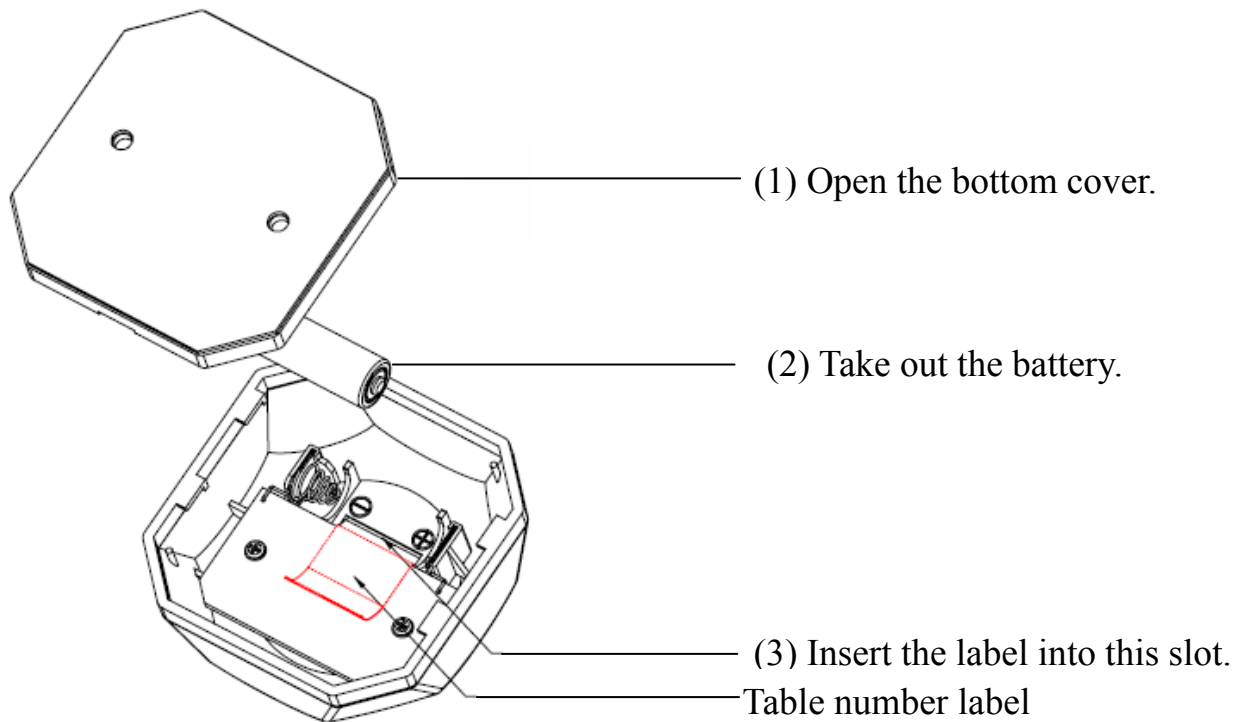
- 2) After editing table numbers, click 'File/Preview' to preview it.
- 3) Click the icon  at the toolbar and then click 'print' button to print the label.
- 4) Cut down each table number label into a piece as chapter 2.4.4.

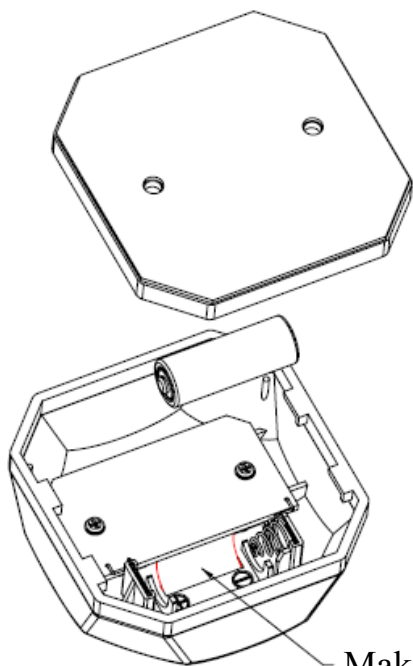
3.4.4 How to install table number label

1. Cut down each table number label that is printed on the PC software into a piece as below:



2. Install the label into the service caller as below:





Make the label end lie against the main board side, so that it won't shift, what's more, it is easy to take out the label when necessary.

3.5 Function Keys Description

- **[WATER] (SC2X) / [Water] (SC1X)**

[WATER] / [Water]: The customer needs to refill water, tea, and the like.

The service code is 1.

If press [WATER] / [Water], customers' refill demands will be converted to the service code 1 which will be displayed on the display device. Meanwhile, the table number is also showed on the display device.

For example, the customer of Table No.306 press the key [WATER] / [Water], the display device will show '306.1'.

- **[CALL] (SC2X) / [Call] (SC1X)**

[CALL] / [Call]: The customer needs services.

The service code is 2.

If press [CALL] / [Call], services demands will be converted to the service code 2 which will be displayed on the display device. Meanwhile, the table number is also showed on the display device.

For example, the customer of Table No.306 press the key [CALL] / [Call], the display device will show '306.2'.

- **[BILL] (SC2X) / [Bill] (SC1X)**

[BILL] / [Bill]: The customer wants to check out.

The service code is 3.

If press key [BILL] / [Bill], checkout demands will be converted to the service code 3 which will be displayed on the display device. Meanwhile, the table number is also showed on the display device.

For example, the customer of Table No.306 press the key [BILL] / [Bill], the display

device will show '306.3'.

- **[CALL]+[BILL] (SC2X)/ [Call]+ [Bill] (SC1X)**

[CALL]+[BILL]/ [Call]+ [Bill]: **Waiters** call cleaners to **clean tables**.

The service code is 5.

Waiters can call cleaners to clean tables by pressing keys [CALL]+[BILL]/ [Call]+ [Bill]. Then the clean demand will be converted to the service code 5, which will be displayed on cleaners' display devices.

For example, a waiter presses keys [CALL]+[BILL]/ [Call]+ [Bill] on the service caller of Table No.306 . Cleaners' display device will show '306.5'.

- **[C] (SC2X) / [Cancel] (SC1X)**

[C] / [Cancel]: a cancel key

Customers can cancel their service demands by pressing the key [C] / [Cancel].

4 DISPLAY DEVICE

4.1 Wall Display (BD1X)

4.1.1 Appearance



The messages sent from the calling device will be displayed on the Wall Display (BD1X) in a digital format, and then waiters offer corresponding services.

The digital format shown on the Wall Display (BD1X) is composed with 4 digits and 1 dot. The 3 digits before the dot stand for the table number. The digit after the dot stands for the service code. Please refer to the picture above.

4.1.2 Working Condition

Wall Display (BD1X) is able to receive multiply service calling message, max 180 pieces.

If only one message is received, it will be displayed for 30 seconds on BD1X.

If receive several calling message, BD1X will cyclically display the first 5 message in order. Each time is displayed for 2 seconds, totally can be displayed 15 times. Once a calling message is cleared, the system will automatically fill the vacancy with next one.

E.g. BD1X receives 8 service calling message, from No.1 to No.8. The cyclical display order will be:

The first round display order:

No.1 calling message → No.2 calling message → No.3 calling message → No.4 calling message → No.5 calling message;

The second round display order:

No.1 calling message → No.2 calling message → No.3 calling message → No.4 calling message → No.5 calling message;

Here, the waiter performs No.3 calling message, and this message is cleared.

The third round display order:

No.1 calling message → No.2 calling message → No.4 calling message → No.5 calling message → No.6 calling message;

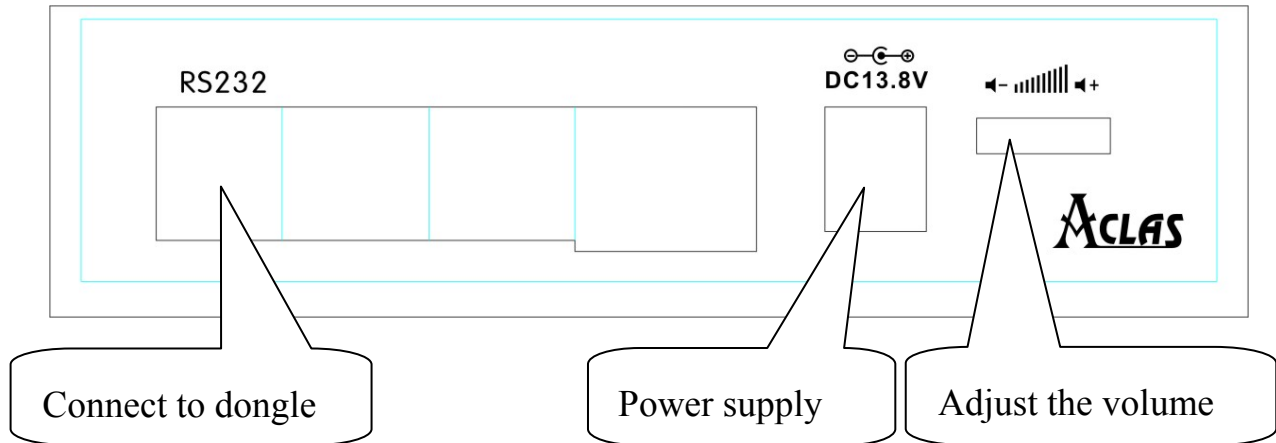
....., and the like.

Each calling message is displayed for 2 seconds once, totally can be displayed 15 times.

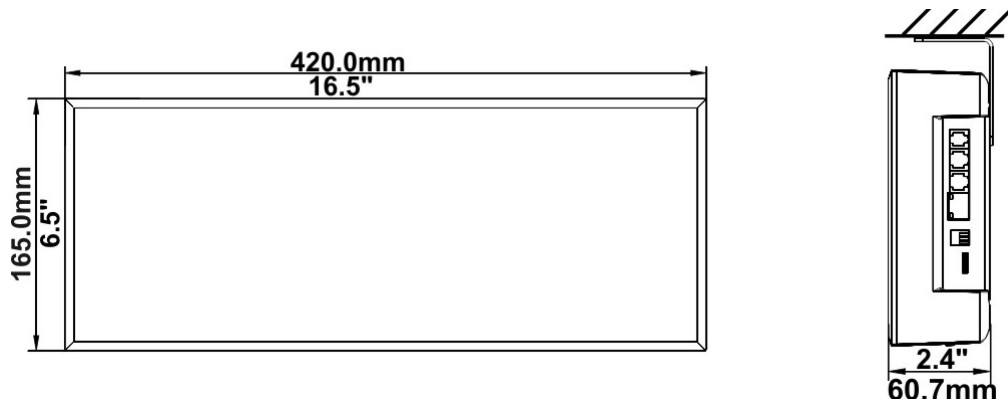
4.1.3 Specification

Display	4 digits LED display
Font high	101.6mm (4.0")
Prompt tone	Adjustable volume
Work temperature	0℃~40℃
Work humidity	5%~85%
Power specification	13.8V 2A

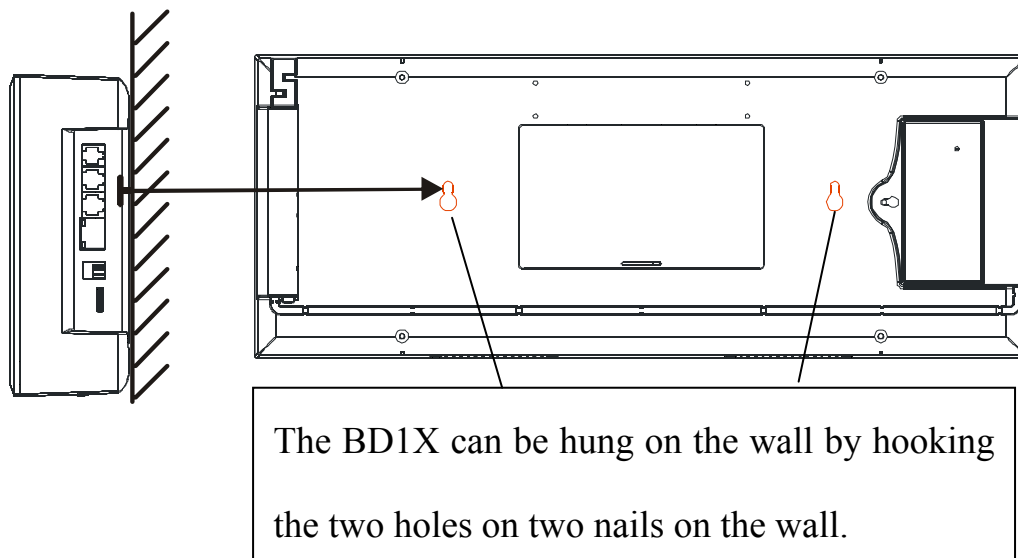
4.1.4 Interface



4.1.5 Dimension



4.1.6 Hang Style



Note: Please pay attention not to install the BD1X in reverse. The loudspeaker on BD1X should be downward.

4.2 WD1X Watch Type Display/PD1X Waist Pager Type Display

4.2.1 Appearance



WD1Xwatch type display



PD1Xwaist pager type display

WD1X/PD1X with multi-line display is easy for you to get the calling information:

1. WD1X watch display has adjustable vibration mode which is available to maintain a better restaurant environment.
2. PD1X waist pager type display not only has vibration mode but also has sound mode.

4.2.2 Cautions

1. Keep the display device away from water. Take off the WD1X watch type display before washing hands. Troubles caused by water ingress will not be included in the warranty.
2. Users, such as chefs and cleaners, who contact with water frequently, are suggested to apply the pager type of display.

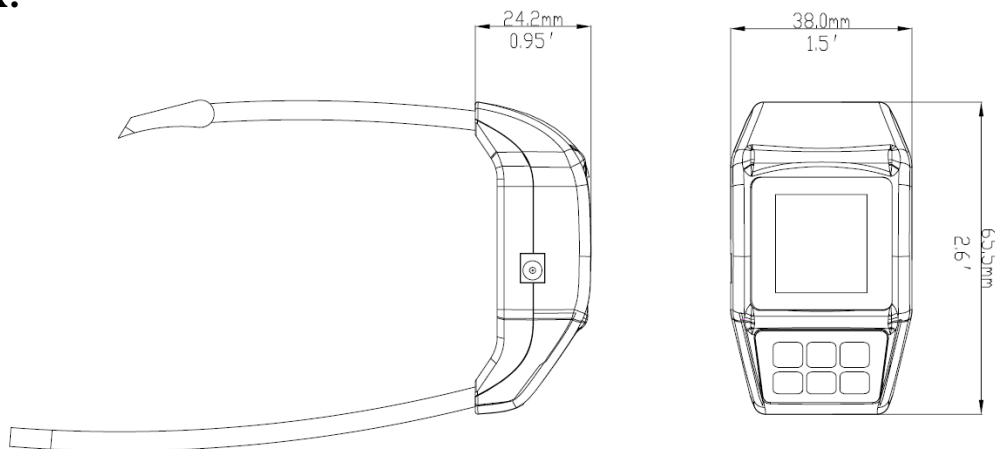
4.2.3 Specification

Display	3-line 4-digit LED Nixie tube display
Intensity of Vibration	Adjustable
Power Supply	560 mAh
Wireless Distance	100m
Working Temperature	0℃~ 40℃
Working Humidity	5% ~ 85%
Charger	5V 1A

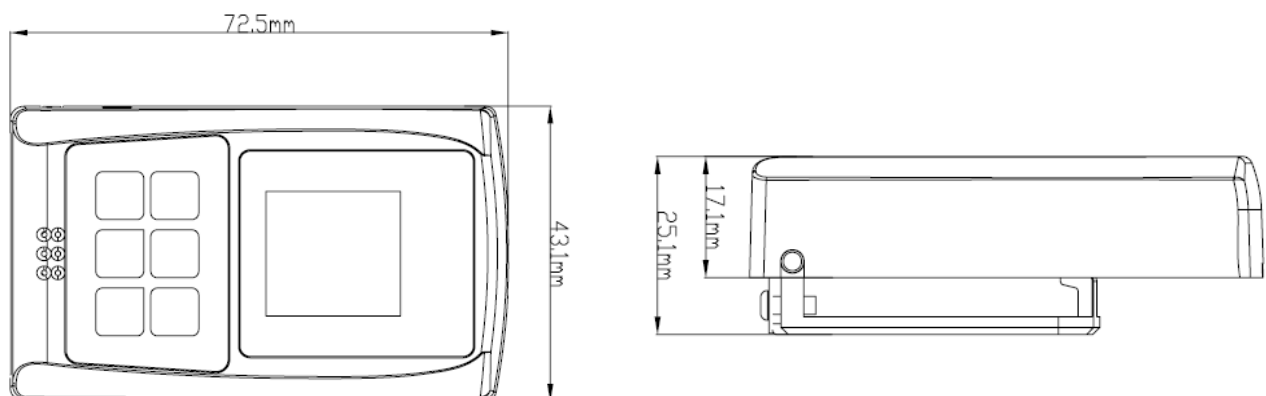
4.2.4 Dimension

Unit: mm

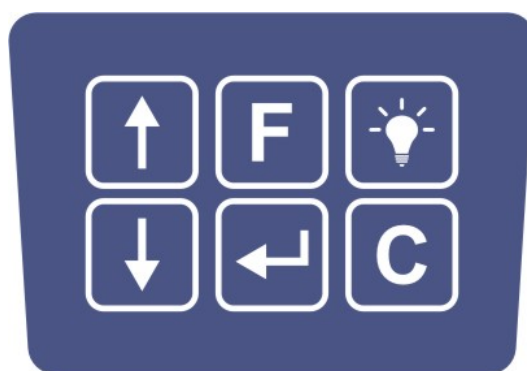
WD1X:









PD1X:



4.2.5 Key Function



WD1X / PD1X

	Selection key; move menu upwards.
	Selection key; move menu downwards.
	Enter function set mode.
	Confirm the operation.
	Long press this key to enter trouble test mode.
	Cancel key: press this key to cancel/clear items. On-Off key: press it and hold for 1 sec to power on/off it.

Notes: The calling displays will power off automatically if there is no any operation within 8 hours.

4.2.6 Working Condition

(1) Before applying the display device, please match WD1X / PD1X display device with SC1X / SC2X calling device.

(2) Receive information

- When the display device receives an effective signal, the LCD displays ‘▼▼▼’ (flashing).
- When receives the calling information, the display device will vibrate and display the table number and the service code (Note: it displays the latest service code).
- If there is no calling information, WD1X/PD1X displays time and battery capacity.

(3) Deal with the received information

- WD1X/PD1X is able to match with 180 service callers at most. Use arrow keys [↑] [↓] to refer to the calling information (including the table number and service code).
- If the calling information has been dealt, use key [↑] [↓] to select it and press cancel key [C] to delete it, or system will prompt you by vibration every 3min.

(4) Low Battery Capacity Alarm

- If the battery capacity is in level1 (or less than level 1), there will be a low-tension alarm per 4 minutes and finally the calling display will power off automatically.
- Low battery warning: At the first time, the calling display will vibrate once, show flashing message ‘LO--1’ four times and then return to the previous interface. When the battery capacity is zero, the display will show message ‘LO-0’ three times and then power off automatically.

(5) Battery Charging

- When the battery capacity is too low, it will prompt charging by vibration.
- If it is not charged on time, WD1X/PD1X will power off automatically.

- Once the display device is connected to power supply to start charging, it will vibrate and make sound.

If the screen displays three triangles(“▼”) twinkling in turn, it indicates the device is charging.

If the screen displays three triangles (“▼”) without flashing, it indicates the charging is finished. Please plug off the power supply.

Notes:

- 1. Please full charge the device for the first time and connect the charger in the right way. A full charge usually needs more than 2 hours.**
- 2. As the display device is installed with lithium battery which has not memory effect, we suggest charging the device once per day. User could charge it every day after work before running out the battery.**
- 3. The lithium battery could be fast charged and has the overcharge mechanism, so it will not be destroyed if it is charged every day.**
- 4. After a full charge, the calling display will last for 6 days in normal use.**
- 5. If the device will not be used in a period, please full charge it before storage. During storage, please charge it at least once per three months to avoid battery running out and charging failure later.**

4.2.7 Function Set

Press key  to enter function set, LCD displays F1, F2, F3, F4, and F5.

Each has its own function:


F1—set time;

F2—add/delete/query table number;

F3—vibration setting;



F4—set service functions;

F5—work as the display of signal repeater

Please use the selection keys [↑] [↓] to select each item and press key  to enter and carry out setting.

4.2.7.1 Time Set

Select F1, and enter it to set time.

Use selection keys [↑] [↓] to increase/decrease the digit (Note: you can also press the selection keys and hold it to increase/decrease the digit quickly.). Use key  to shift hour or minute. Press key  to confirm the setting. Press cancel key [C] to exit.

4.2.7.2 Table Number Set (match with calling device)


Select F2 and enter it. The LCD display “-Add, -Del, -Que”, which means to add, delete and query the number of the calling device (or table number).

(1) Add the number of the calling device (or table number)

To add the number of calling device (or table number) to the display device is to match the two devices. Only the matching operation has been done can the calling device work.

After entering the F2 mode, use selection keys [↑] [↓] to select “-Add” and enter it.

Use selection keys [↑] [↓] to increase/decrease the digit (Note: you can also press the selection keys and hold it to quickly increase/decrease the digit.)

Use key  to shift units /tens /hundreds digit.

After you select the table number on WD1X/PD1X, press key [WATER] and [BILL]

simultaneously on the calling device.

If the service caller and WD1X/PD1X are successfully matched, WD1X/PD1X will vibrate and the digit on LCD won't flash any more.

When finish setting, press cancel key [C] to exit.

(2) Delete the number of the calling device (or table number)

After entering the F2 mode, use selection keys [↑] [↓] to select “-Del” and enter it.

LCD displays ‘---’ without flashing. At this time, the system enters the state of deleting table number. There are two ways for your reference: 1. delete the table number one by one; 2. data formatting (delete all table numbers)

● Delete the Table Number One by One

Make the WD1X/PD1X enter the state of delete table number, at the same time, press key [CALL] and [C] on the SCX Service Caller.

Then the display device shows the corresponding table number, going with flashing and vibration. **Now, please check the number.** If it is the number to delete, press key




to confirm. If it is not, press cancel key [C] to exit.

Repeat the operation above can delete the table number one by one.

● Data Formatting

Attention: please pay attention to do this operation, or the deleted data cannot be found back any more.


Make the WD1X/PD1X enter the state of delete table number, press key  and hold it until LCD displays ‘-’ cursor. When LCD displays ‘0000’, the system finishes data formatting. Here, all the table number is deleted.

Press cancel key [C] to exit.

(3) Query the number of the calling device (or table number)


After entering the F2 mode, use selection keys [↑] [↓] to select “-Que” and enter it. Then use selection keys [↑] [↓] to see the number of the calling device that has matched with the display device.

Press cancel key [C] to exit.

Note: While in Que mode, users could long press the key [C] on display device or press key [CALL]+[C] on the display device more than 1s to make the display device enter the state of deleting the number of the calling device. While the number to delete is flashing, press key  to delete it; or press cancel key [C] to exit.



4.2.7.3 Vibration Setting


Select F3, and enter it, and then LCD displays vibration level.

There are 5 vibration level altogether (1~5, 1—weakest; 5—strongest). Use the selection key [↓] [↑] to select the vibration level, and it will vibrate with the corresponding level, then press  to confirm.

Press cancel key [C] to exit.

4.2.7.4 Related Service Function Set

Select F4, and enter it to set related service function after pressing key . The screen displays 1~5. Press key , and the cursor moves among 1~5 which will twinkle.

Press key [↓] or [↑], the screen will display ‘-’ and the digit alternatively. If it display ‘-’, it means you refuse to receive the service calling of this item; if it display with digit, it means you allow to receive the service calling. After setting, press key  to confirm.


Press cancel key [C] to exit.

4.2.7.5 Display Signal Repeater Information

Select F5, and enter it. In this mode, the display device will work as the display screen of the signal repeater while users setting its parameters, such as RF repeater code, shop ID. Please refer to chapter 4.4 for detail.

4.2.7.6 Malfunction Test

Press  key for 2s, and then WD1X/PD1X will display -F1, -F2, -F3,-F4 and -F5.

Press [↓] [↑] key to select an item and then press  to enter the test mode.

◆ -F1: Wirelessness Test Mode

Enter F1, and then the LCD displays:

X	X	X	X
X	x		T
Y	Y	Z	Z

X stands for 5-digit ID number of the service caller.

x stands for the key value. E.g. If press [C] on SC2X/SC1X, it will display the key value '1'. [WATER] key value is '8'; [CALL] key value is '4'; [BILL] key value is '2'. If press [CALL] and [C] key simultaneously, it will display the key value '5'.

Note: If the key value is displayed as 'F', it stands for an unidentified key value, which means several keys are pressed simultaneously on Service Caller or malfunctions exist.

Y stands for the size of the receive data.

Z stands for the accumulating times of receiving data. Max. 99 and then return to 0. It increases by 1 for each time receiving successfully.

Note: If Z is not displayed as '00', you can press [C] key on WD1X/PD1X to clear the data to zero; if Z is displayed as '00', you can press [C] key on WD1X/PD1X to exit wirelessness test mode.

T stands for the code of a device (Service Caller or RF Repeater) that send signals to WD1X/PD1X. If T is displayed as '-', it means it is sent from Service Caller.

Press cancel key [C] to exit.

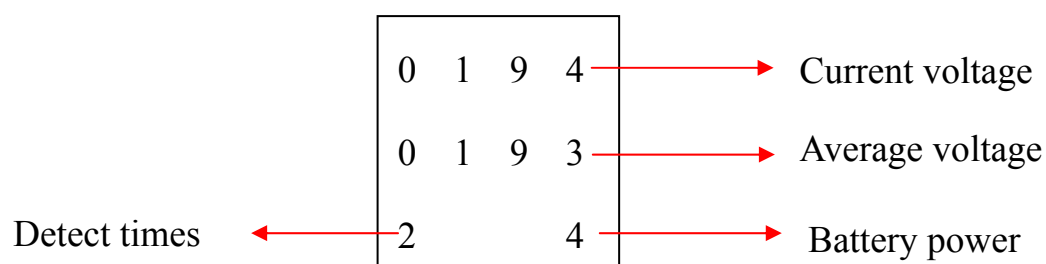
◆ -F2: LCD Test Mode

Enter F2 to test whether LCD is normal or not. After entering F2, LCD will display digits from 0 to 9 in full screen.

Press cancel key [C] to exit.

◆ -F3: Battery Voltage Test Mode

Enter F3 to test the battery voltage. LCD will display:



Take the value displays on the screen into the formula: Battery Voltage=(average voltage/ 1024) * 3.3 * 6.

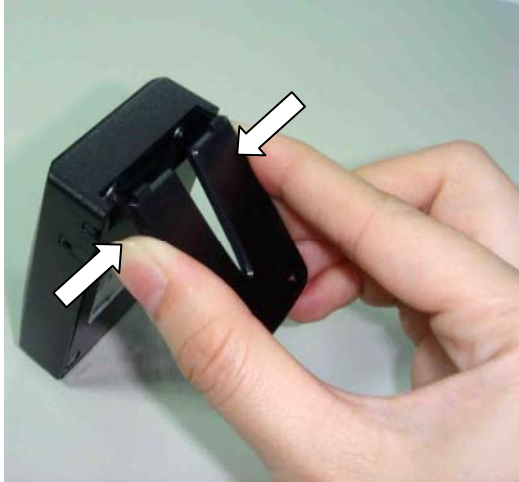
It is normal that the accounted battery voltage is -10% ~10% of the real voltage.

Please charge the battery in time when it runs low. Otherwise, the battery will over discharge and probably the calling receiver will not be wakened. If such condition happens, please pull and plug the battery connection cable as follows to get the receiver right.

Notes: Be sure the calling receiver is off before pulling and plugging its battery connection cable.

Press cancel key [C] to exit.

➤ **PD1X waist pager type display:**



1. Disengage the buckle as the arrow shows.



2. Use screwdriver to unscrew the four screws.



3. Open the cover, pull and plug the battery connection cables. Then reassemble the receiver in reverse order.

➤ **WD1X watch type display:**



1. Use screwdriver to unscrew the four screws.



2. Open the cover, pull and plug the battery connection cables. Then reassemble the receiver in reverse order.

◆ **-F4: Check Version and Date**

Enter F4, and then LCD will display the software version and current date.

Press cancel key [C] to exit.

◆ **-F5 : Check device number**

Enter F5, and then LCD will display the number of the display device.

9	0	0	0
2	2	5	9

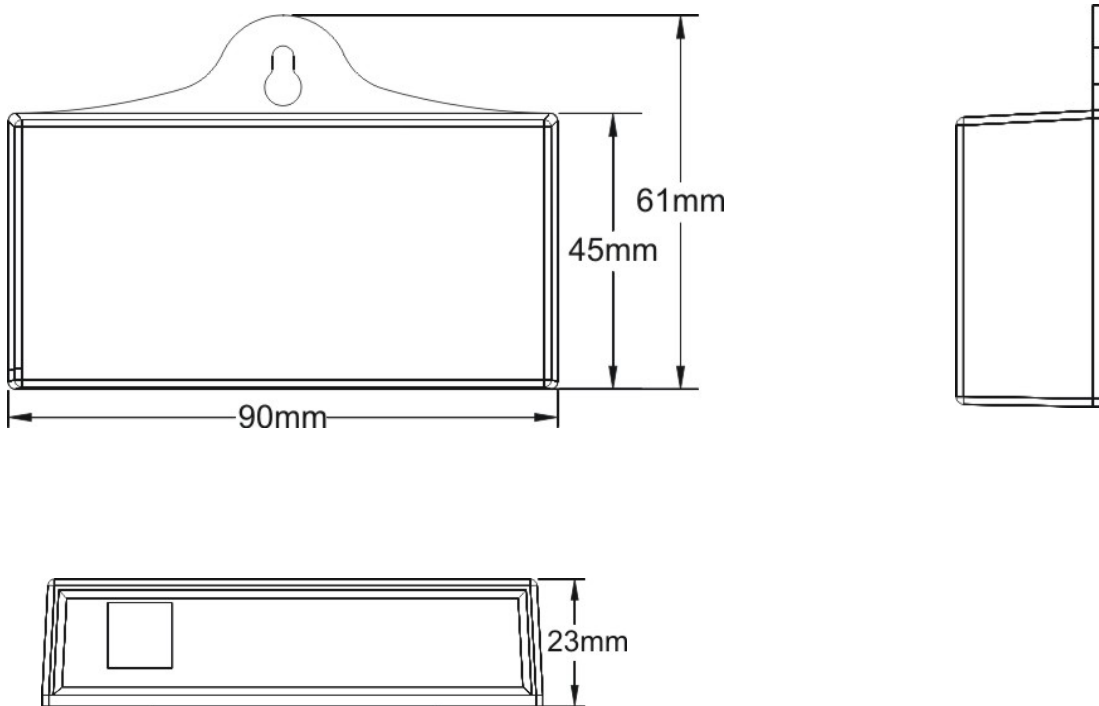
Press cancel key [C] to exit.

5 Signal Reinforcement Device

5.1 RF Repeater

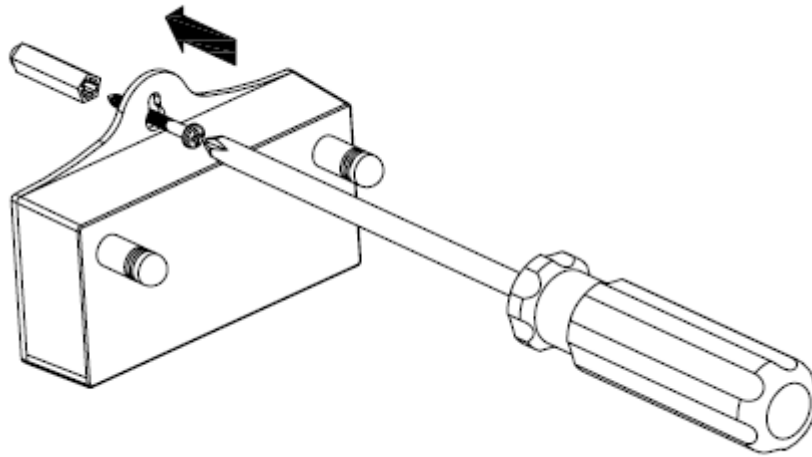
RF Repeater is used to receive and resent the communication data, which is able to extend wireless communication distance, and enhance signal intensity.

5.2 Dimension



5.3 Installation

Drill the plastic plug into the wall with percussion drill, as the following picture, and then install the screw from the hook to the plastic plug with screw driver to fix the device on the wall. It's suggested to install the device in a higher place and no against the wall. There should not have too many obstacles between the repeater and calling devices.




5.4 Setting Wireless Parameters for RF Repeaters

Without PC software, users still could match calling devices with RF repeaters, and set wireless parameters for RF repeaters.

5.4.1 Ready

Before matching devices, users should get ready the RF repeater, SC2X calling device, WD1X/PD1X display device.

5.4.2 Enter the Mode of Parameter Setting

1. Press key  on the WD1X/PD1X display device to enter the function set. Press [↓] [↑] key to select F5, and enter it. In this mode, the display device will work as the display screen of the repeater while setting its parameters. The screen displays as follow:

R E P T
d I S P


2. Power on the RF repeater, and within 20 seconds, long press one of the key [WATER] / [CALL]/ [BILL] on the SC2X calling device to make the repeater directly enter different mode of parameter setting: [WATER]-set RF repeater code, [CALL]-set shop ID, [BILL]-match calling devices with RF repeaters. At this moment, the power indicator light in the repeater flashes slowly.

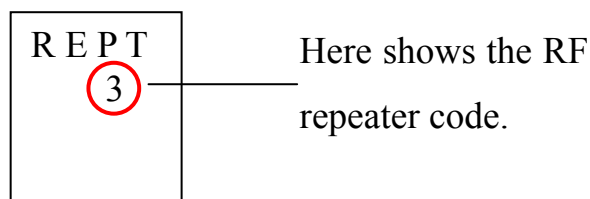
Note: If the repeater does not enter the setting mode within 20 seconds after being powered on, the display device will go to normal work.

5.4.3 Setting of Each Parameter

Note: After entering one of the setting modes (set repeater code/shop ID or match with calling devices), users could press key [CALL] and [BILL] simultaneously to switch among these modes. The order of switching: set shop ID-> set RF repeater code-> match with service calling devices.

5.4.3.1 Set RF Repeater Code

Enter the mode of setting RF repeater code: Press key  on the WD1X/PD1X display device, and then press [↓] [↑] key to select F5, and enter it. Power on the repeater, and **within 20 seconds**, long press the key [WATER] for more than 2 seconds. At this time, the display device vibrates and the power indicator light in the repeater flashes slowly. The screen display as follow:




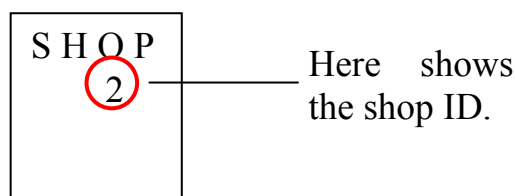
Set RF repeater code: After entering the mode of setting RF repeater code, the RF repeater code and the symbol “-” flash alternatively. Press [CALL] or [C] key on SC2X to plus or minus the blinking code. Users could use digit 0~9 or letter A~F to set the code. The default code is 0.

Confirm the RF repeater code: After setting the RF repeater code, press key [WATER] and [BILL] simultaneously to confirm it. And then, the RF repeater code shown on the display device stops flashing.

5.4.3.2 Set Shop ID

The purpose of setting shop ID for repeaters is to distinguish users' repeaters from others in surrounding area, designate shops to repeaters to take service, avoid service conflict. Therefore, if there is no service conflict, this setting is unnecessary.


Enter the mode of setting shop ID: Press key  on the WD1X/PD1X display device, and then press [↓] [↑] key to select F5, and enter it. Power on the repeater, and **within 20 seconds**, long press the key [CALL] for more than 2 seconds. At this time, the display device vibrates and the power indicator light in the repeater flashes slowly. The screen display as follow:

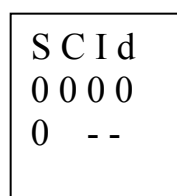


Set shop ID: After entering the mode of setting shop ID, the ID and the symbol “-” flash alternatively. Press [CALL] or [C] key on SC2X to plus or minus the blinking digit. Users could use digit 0~7 to set shop ID. The default ID is 0.

Confirm the shop ID: After setting the shop ID, press key [WATER] and [BILL] simultaneously to confirm it. And then, the shop ID shown on the display device stops flashing.

5.4.3.3 Match Calling Devices and RF Repeaters

Enter matching mode: Press key  on the WD1X/PD1X display device, and then press [↓] [↑] key to select F5, and enter it. Power on the repeater, and **within 20 seconds**, long press the key [BILL] for more than 2 seconds. At this time, the display device vibrates and the power indicator light in the repeater flashes slowly. The screen display as follow:



Match calling devices with RF repeaters: After entering the matching mode, press [WATER] and [BILL] key simultaneously on SC2X to match the calling device with RF repeater. Then the WD1X/PD1X display device will show the ID of the caller. The screen

display as follow:

S C I d
2 4 8 4
1 A d

The digit “24841” is the ID of the matched caller. “Ad” indicates that it is to add the calling device to the repeater.

Delete calling devices from RF repeaters: After entering the matching mode, press [CALL] and [C] key simultaneously on SC2X to delete the ID of the calling device from the RF repeater, so that the two are not matched. Then the WD1X/PD1X display device will show the ID of the caller. The screen display as follow:

S C I d
2 4 8 4
1 d E

The digit “24841” is the ID of the caller to delete. “dE” indicates that it is to delete the calling device from the repeater.

5.4.3.4 Exit the Mode of Parameter Setting

If the RF repeater is in a specific setting mode (set repeater code/shop ID or match with calling devices), users could press [BILL] and [C] keys simultaneously on the calling device to make the RF repeater exit from the mode of setting wireless parameters.

