SENTRY SENSOR

Restarurant Wireless Service Request Button 32-CH Console
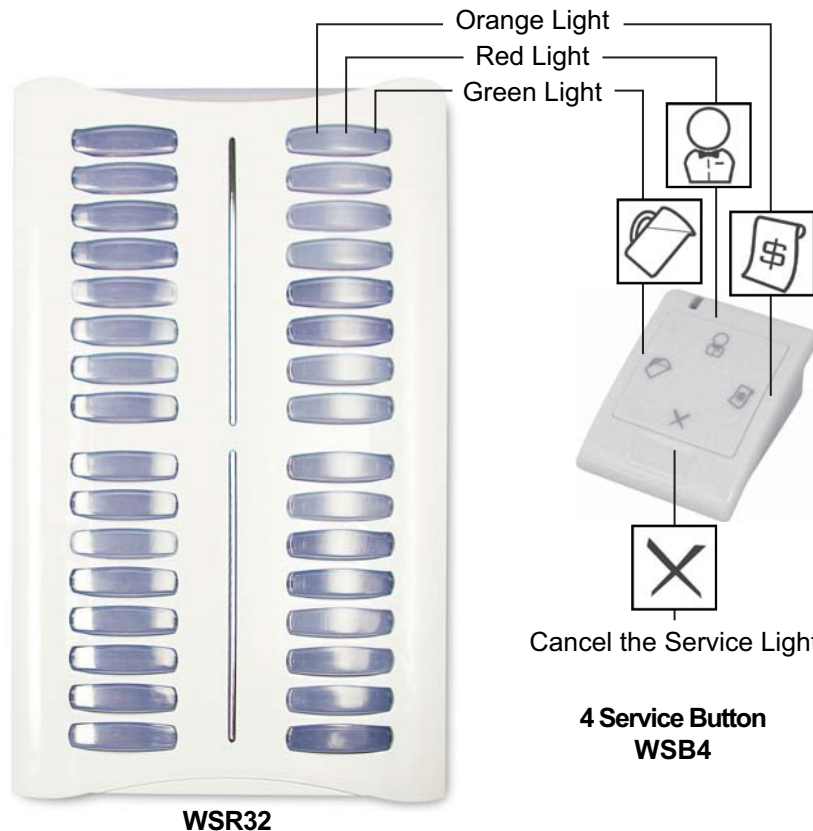
Installation Manual

There is no limit for how many consoles you install in the same area. You may install 3 consoles with 96 buttons or 5 consoles with 160 buttons in one restaurant.

If you would like to install 3 consoles to work with 20 buttons, such as one at the manager's room, one nearby the register, one at the service room, you can just set same codes for the consoles.

Optional

1 Service Button WSB1

Orange Light
Red Light
Green Light

Cancel the Service Light

4 Service Button WSB4

WSR32

NOTE: This is Not a Life Safety Device. It Should Not be Used for Medical Emergency Purposes.

Contents

Structure of the Manual (This manual consists of following sections)

Section 1 Installation

Part I. System Specifications

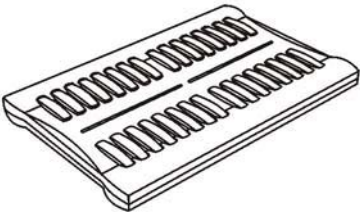| Wireless Service Request Button Console 32-CH WSR32	
Product Regulations	Product Name: Wireless Service Bell Main Console Receiver Product Code: WSR32 Product Dimension: 260(L) × 165(W) × 40(H) (mm) Product Weight: 495g Power Cable: 1.5M
Buttons	Service Button x 32 pcs
LED Indicator	Receiving Indicator Power Indicator Message Indicator Table Indicator x 32
System Environment Requirements	AC100~240 Power Jack Operation Temp 0°C - 50°C (32°F - 122°F) Operation Humidity 10% - 90% without congealment
Electronic Characteristic	Operating Voltage: DC5V Operating Current: 200mA Standby < 30mA Full Working < 35mA Startup Current: 600mA Speaker (Full duplex) Impedance: 8Ω±15% Max Output Power: 0.5W Distortion Rate: 5%MAX Max dB: 89 ±3dB Frequency Range: 50Hz ~10KHz
Packing Contents	Contents: Wireless Service Bell Receiver (WSR32) User's Manual Table no. Label Stickers

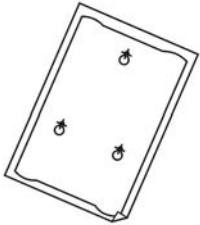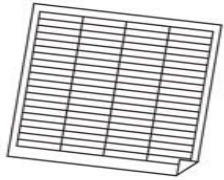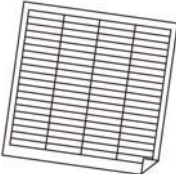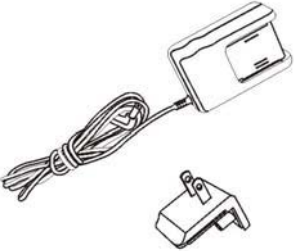| | Service Button Table no. Label Stickers |
	Main Console Receiver Mounting Guide
	Service Button Dismantling Tool
	Label Sticking Tool
	DC5V 1.5A Power Adaptor
	Pen for Label
	Screwdriver
	Main Console Fixed Screw Groups
Wireless Service Button (WSB4 or WSB1 optional)	
Product Regulations	Product Name: Wireless Service Button
	Product Code: WSB4 or WSB1
	Product Dimension: 60(L) ×45(W) × 23(H)(mm)
	Product Weight: 31g
Button	Service Button x 1
Contents	Wireless Service Button WSB4 (4 service button) WSB1 (1 service button) optional
System Environment Requirements	Operating Temp 0°C - 50°C (32°F - 122°F)

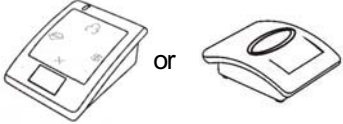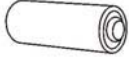|	Operation Humidity 10% - 90% without congealment
Electronic Characteristic	Operating Voltage: 12V Battery Operating Current: Standby < 10mA Working status < 10mA
Packing Contents	One DC12V Battery, and One Screw

Part II. Packing and Accessories Instruction

Wireless Service Main Console Receiver Packing Contents:	
Main Console 32-Ch Receiver	

User's Manual		Service Button Table No. Label Stickers	
Main Console Mounting Guide		Service Button Dismantling Tool	
Main Console Table No. Label Stickers		Label Sticking Tool	

DC5V 1.5A Power Adaptor	
Pen for Label	
Screwdriver	
Main Console Fixed Screw Group X 3	

| Service Bell Button Packing Contents:	
WSB4 (4 Service Button) or WSB1 (1 Service Button) option al	
DC12V Battery	
Screw	
Service Bell Button Holder Packing Contents:	
WSH4 Plastic Holder	
WSH1 Plastic Holder	

Part III. System Connecting Diagram

Restaurant Wireless Service Request Button System provides real-time service for customers and can economize waiters so they can enhance the whole appearance of the restaurant. Getting rid of landline designing way to use wireless method, it can be installed very quickly and can response receiving range around 50 meters, one wireless service bell main console receiver can be matched max 32 service buttons and support 4 kinds of prompt voice for selection.
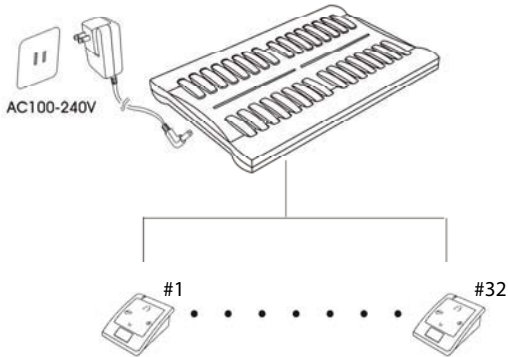
Section 2 Main Console Installation

Part I. Main Console Overview

Please read the manual first before using the wireless service bell.
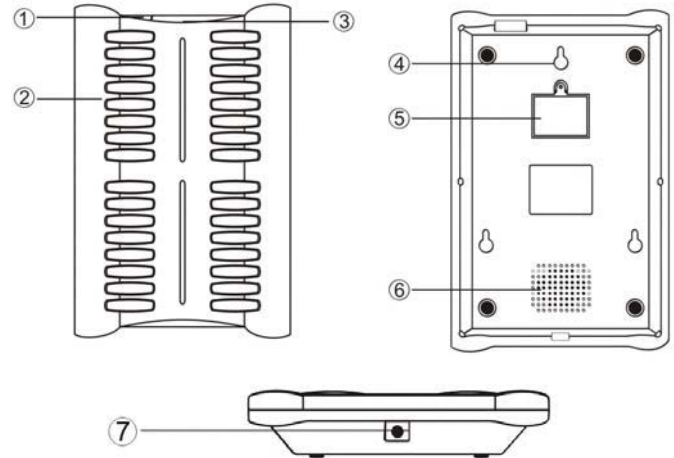
① Power Indicator

② Service Indicator and Clear Button

③ Message Indicator

④ Suspension Holder

⑤ Setting Switch

⑥ Speaker

⑦ DC Power Jack

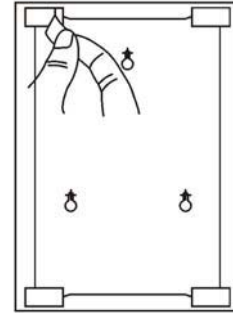## Part II. Suspension Holder Installation

Cautions: Please make sure to plug in power adaptor for main console

Please select suitable screws and take care of the casing while installing.
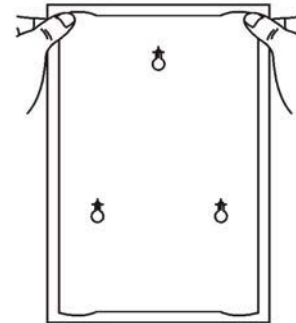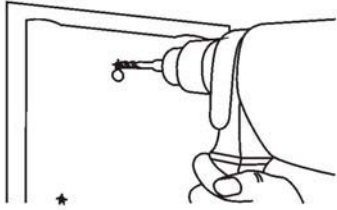
Accessories:
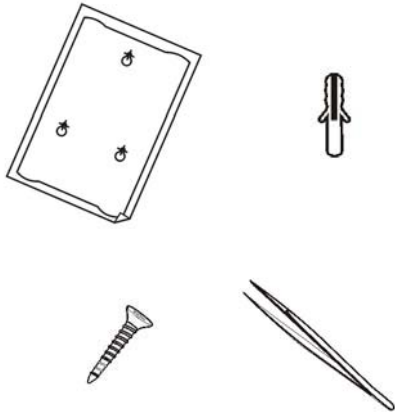
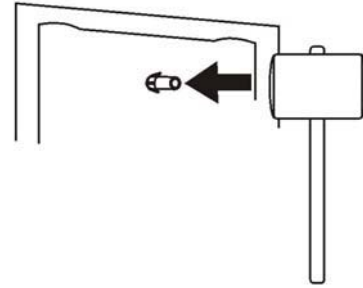1. Take out main mounting guide and tear up back lamination.

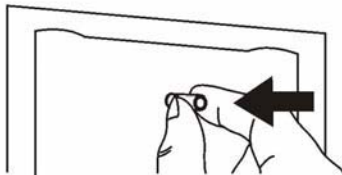2. Stick main console map to place in which you want with horizontal level.

3. When installing to wall, please use 6Φmm tool to make holes, for more details please refer to picture display hole.
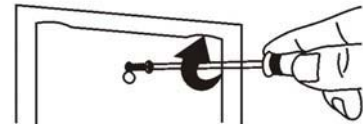
4. After making holes ok, please insert plastic cushion to hole.

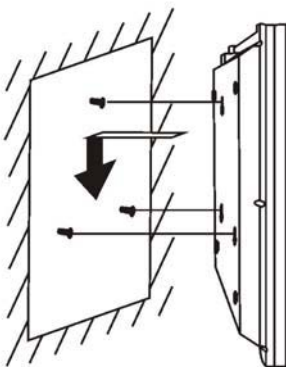5. You can use a tool to insert plastic cushion.

6. Take out screws and insert to the plastic cushion for fixing and leave 7mm outside.

7. Dismantle main console mounting guide.

8. Fix main console to the wall according to its behind instruction.
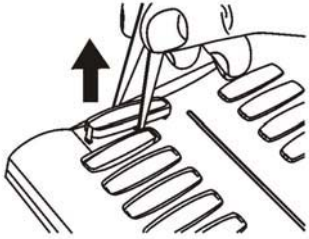
WSR32 comes with the following accessories (if there needs make a label sticker for special table, it can be made by pen on the blank paper).
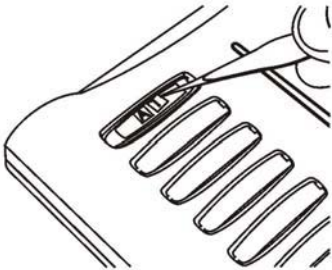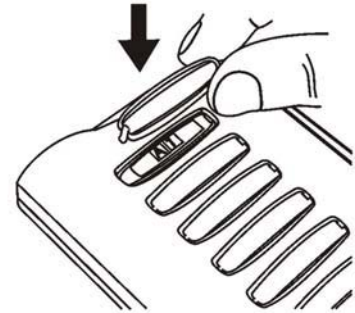
Accessories:

1. Take out tool for dismantling button according to picture indication to dismantle button.
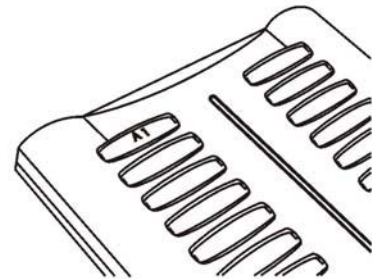

2. Take out table number label stickers (small font), then sticking to button location.

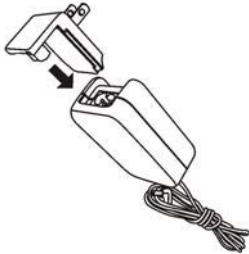3. Then install button casing back on the main console.

4. Then labeling sticker is finished on main console.

Part IV. Main Console Power Adaptor Installation

Cautions: Please don't use other power adaptor to avoid working not properly.

1. Take out attached power adaptor (Input AC100-240V output DC5V)and connecting it like following diagram.
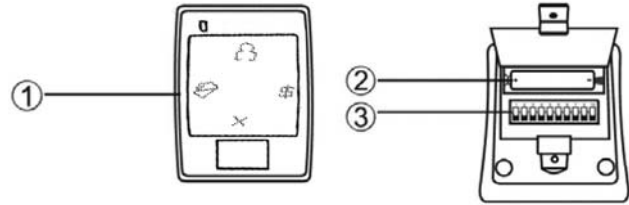
2. Please plug in power adaptor to wall power socket will light in a power Indicator. Then plug in another power adaptor terminal to WSR32 main console will light in a Indicator on main console .
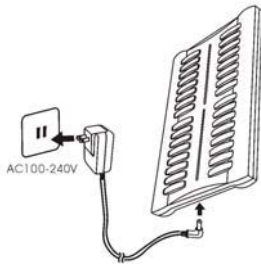
Section 3 Service Button Installation
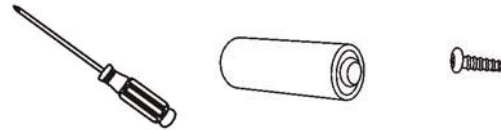
Part I. Service Button Overview Introduction

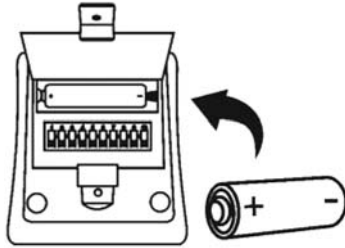① Service Request Button

② Battery Slot

③ Setting Switch

Part II. Battery Installation

Cautions: Please using attached screw and screwdriver to install.
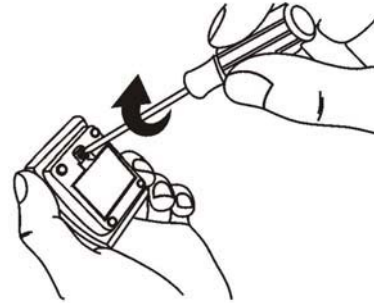
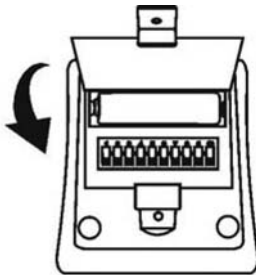Please make sure battery direction(+/-) is right way. Accessories:

1. Take out attached battery(DC12V) and installing it according to its polarity.

2. Close battery cover while installing ok.

3. Take out screwdriver to install screw to end procedure.

Part III. Placing Table Number Stickers on Service buttons

WSR32 wireless service button attached with label paper (if need use for a special table number can be written by a pen on a blank paper).
Accessories:
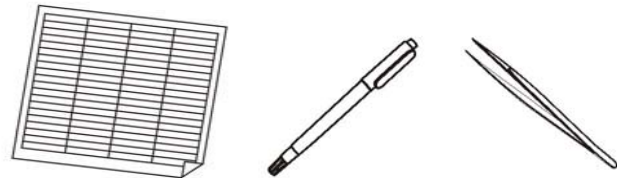
1. Take out label for table number (Font is more bigger) with label sticking tool and place it on the button.

2. Final product should be as shown in below picture.

Part IV. Service Button Stand Installation
Cautions: Please using attached screw and screwdriver to install.
Accessories:

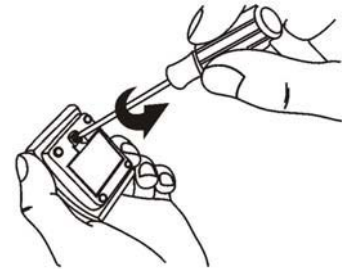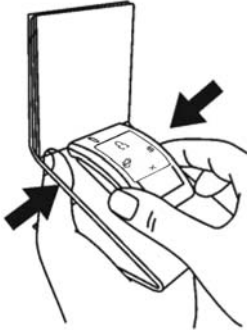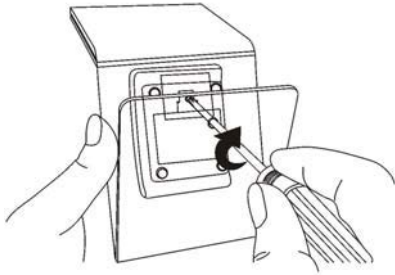1. Take out screwdriver to dismantle screw on service button according to picture indication.

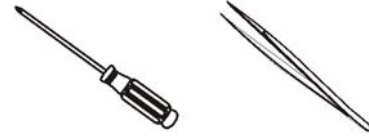2. Install service button on plastic holder like below operating way.

3. Install screw to fix the button by screwdriver like below operating way.
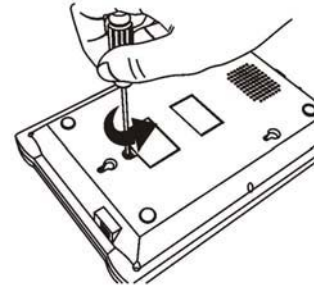

Section 4 Main Console Configuration

Cautions: Wireless service bell main console has 2 switches, one is normal DIP switch, another one is 3-status switch.
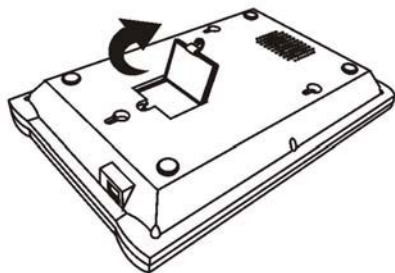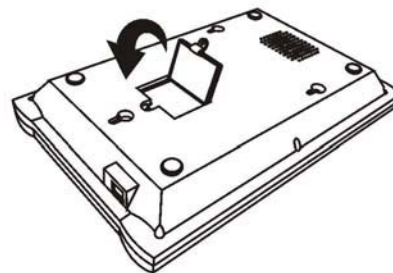
Accessories:

1. Take out screwdriver to dismantle screw on main console .
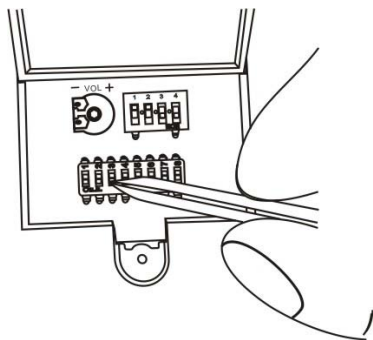
2. Open up switch cover on main console.

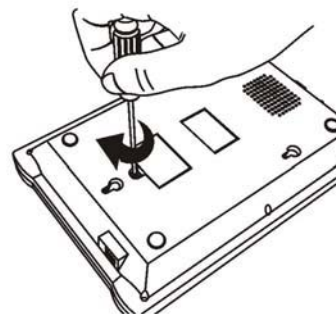3. According to system configuration to set DIP switch by clamp.

4. After the setting is ok, close the switch cover.

5. Then install the screw by screwdriver to end procedure.

Part I. Main Console Receiver DIP Switch Setting Introduction

1. Open up main console receiver will show 2 switches like following. One is normal DIP-2 switch, another one is three status DIP-3 switch and a twist switch for ring volume adjustment.

2. A switch is used for ring volume adjustment

3. B switch is normal DIP-2 switch

4. C D group switch are DIP-3 three status switch

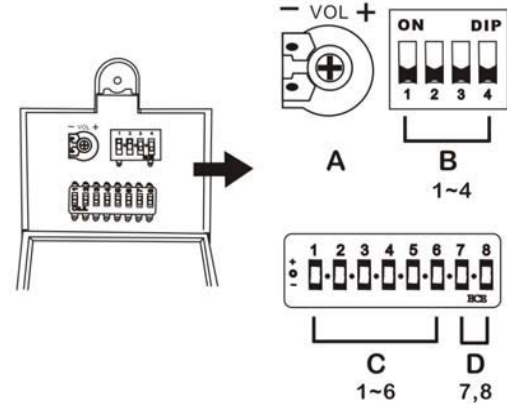5. Each switch functionality definition as follows:

   A Group: Used for ring volume adjustment

   B Group: Used for ring types selection

   C Group(1、2、3、4、5、6): Set system receiving range

   D Group(7、8): Used for ring times

   (Cautions: After changing C&D switch position need restart to plug power adaptor to validate settings)

Part II. Ring Volume Setting

A switch is used for ring volume adjustment.

When adjust to "—" position to turn down volume

When adjust to "+" position to turn up volume
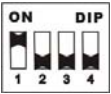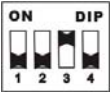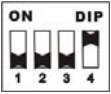
15

Part III. Ring Types Setting

B group switch is used to set ring types

When 1 to ON & 2、3、4 to OFF status: Ring type 1

When 2 to ON & 1、3、4 to OFF status: Ring type 2

When 3 to ON & 1、2、4 to OFF status: Ring type 3

When 4 to ON & 1、2、3 to OFF status: Ring type 4

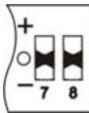| Ring Type 1	Ring Type 2
Ring Type 3	**Ring Type 4**

Part IV. Ringing Times Setting

D group DIP-3 switch is used to set ringing times

When 7 to "o" position: work with WSB4

When 8 to "+" position: Ring 1 times

When 8 to "o" position: Ring 3 times

When 8 to "—" position: Ringing continuously

Ringing 1 time	Ringing 3 times
Ringing Continuously	

Part V. System Receiving Range Setting

Precautions:

Switch settings of each service button for response range must be corresponded with main console receiver range settings to make sure system working properly. Its decoding way used 3^6 to avoid some address range conflict. However, address response range setting is up to yourself, you can set it in any way, but the address range must be the same between A group switch of service button (WSB4 or WSB1) and C group switch of main console receiver (WSR32).
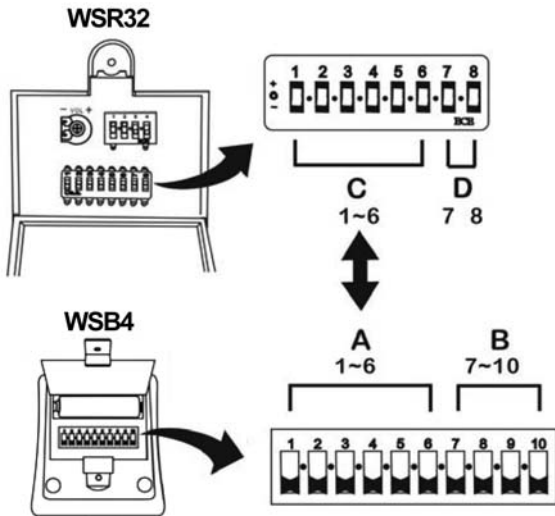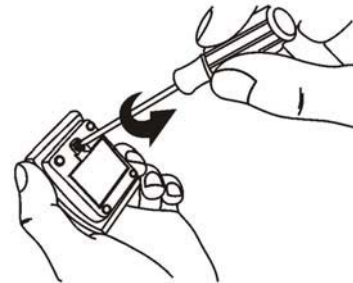

Section 5 Service Button Conÿguration

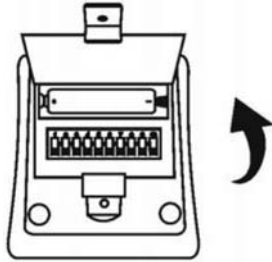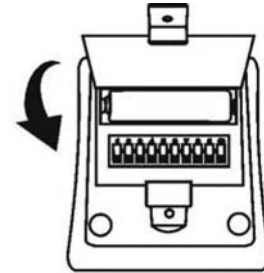Cautions: Please note the DIP switch on service button is 3-status type.

Accessories:
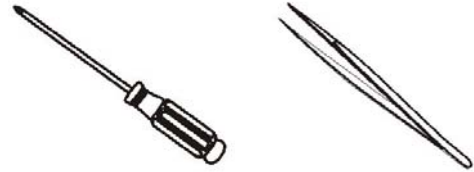
1.   Dismantle screw on service button by screwdriver like following.
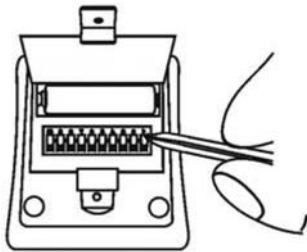
2. Open up battery cover.

3. According to corresponding setting on system to set address response range by clamp.

4. After setting ok to close battery cover.

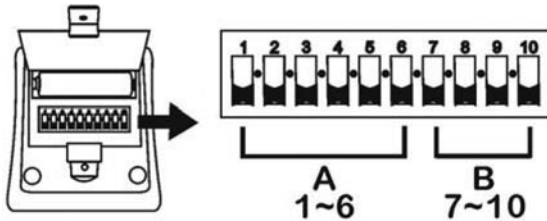5. Then install screw back to end procedure.
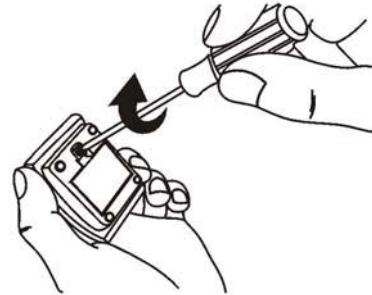
Part I. Service Button DIP Switch Setting Instruction

1. Open up service button battery cover will show a 3-status DIP switch.

2. Each group function definition as follows:

   A Group switch (1,2,3,4,5,6): Set system response range
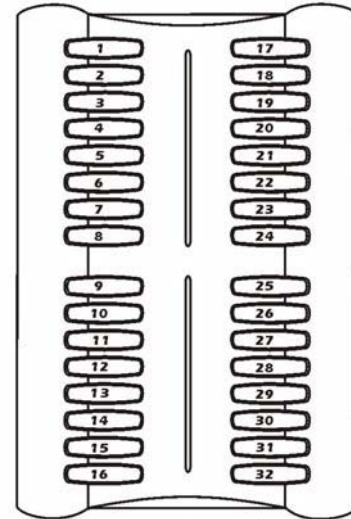
   B Group switch (7,8,9,10): Set button serial no. for different table number

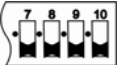## Part II. Service Button Table Number Setting
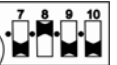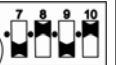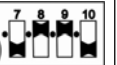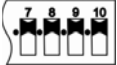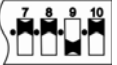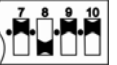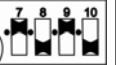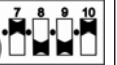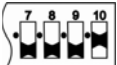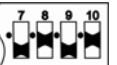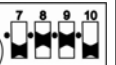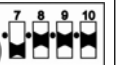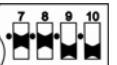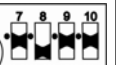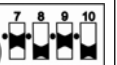
The Main Console can be installed max to 32 buttons.

Each service button has its own serial number to identify different table number. Please refer to the table on the next page.

Service Button Table Number Setting

The Main Console can be installed max to 32 buttons while using. Each service button has its own serial number to identify different table numbers. For more details, please refer to the following table:

Table Number	1	2	3	4	5	6	7	8
DIP SW 7、8、9、10								
Table Number	9	10	11	12	13	14	15	16
DIP SW 7、8、9、10								
Table Number	17	18	19	20	21	22	23	24
DIP SW 7、8、9、10								
Table Number	25	26	27	28	29	30	31	32
DIP SW 7、8、9、10								

Part III. Service Button Transmitting Range Setting

Cautions: A group switch of each service button (WSB4) must be same as D group switch on main console receiver (WSR32) to make sure response range is set ok.

Switch settings of each service button for response range must be corresponded with main console receiver range settings to make sure system working properly. Its decoding way used 3^6 to avoid some address range conflict. However, address response range setting is up to yourself, you can set it in any way, but the address range must be the same between A group switch of service button (WSB4) and C group switch of main console receiver (WSR32).
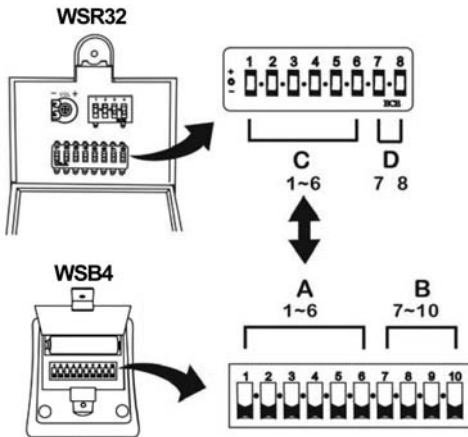
Section 6 System Operating Instruction

Part I. Service Requirements

Each table installed one service button, once customers have requirements, they only need to press the service button, then the main console receiver will light in its corresponding LED indicator to show service is requested at that time.
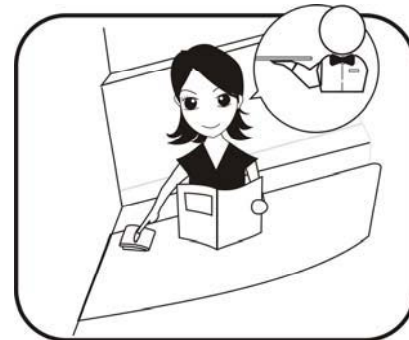
WSB4 Wireless Service Bell Button

Service Button	Main Console Indicator Status		
Time	**0~15 sec**	**15~30 sec**	**After 30　sec**
Call Waiter	Constant Red	Slow flashing Red	Alternate flashing between Red and Green

Part II. Canceling Service Method

Waiter can cancel service if this customer has serviced ok, only need to press its corresponding button what table is service ok, then Led indicator will be off after canceling service. In addition, by virtue of various status of indicator, so the waiter can service by its prior sequence.
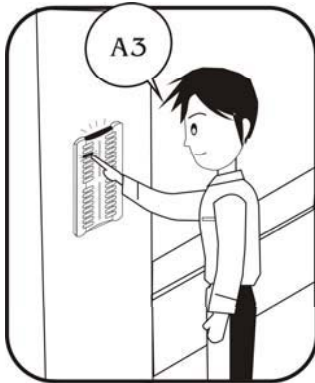
Section 7 Daily Usage and Maintenance

Part I. Daily Testing

The waiters are the appearance for the restaurant, service real-time is more important except for professional service. But sometimes in restaurant you will find no waiters beside you if you need service and sometimes maybe you will feel embarrassedly while talking with friends. Moreover, some restaurants decreased the number of waiters in order to economize cost, so in some urgent situation if the client can not get service real-time will come out complaint. Once the restaurants add more waiters will waste resources if there have no more service. Due to these

questions have caused many annoyance to restaurant filed. So Sentry Sensor has offered WSR32 wireless service request button system to solve these questions. This product not only can economize expenses, but also can decrease wasting for waiter's assignment. WSR32 provides a comfortable environment without little waiters, it is really a reasonable and perfect product for service fields.
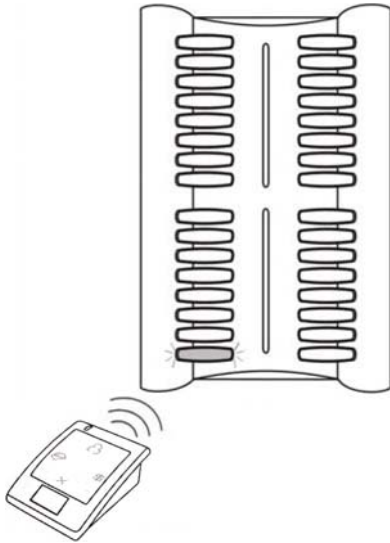
Daily testing is very important to maintain its functionality:
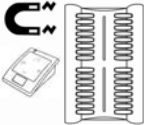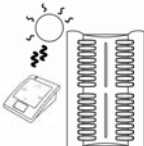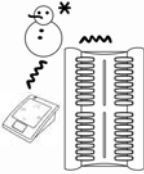
1. Overtime working caused damage. Check each

2. Because of low battery caused working non-properly.
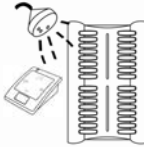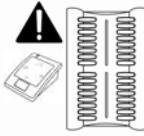
Testing Procedures:

1. Press each service button on different table in sequence;
2. Check each LED indicator whether it is lighted or not;
3. Press button on main console to check whether It can cancel service request;
4. Testing is over;

Cautions: During testing process, if you found LED indicator can not work properly while pressing the service button, please check the battery on service button whether it is installed ok or with low voltage to result in the problem, so you can change a new battery for using.

	1. Place product away from dusty or massed area. The dust often affects and result product shortness.
	2. Get away from any magnetic area (e.g. Speaker or TV) to prevent magnetic interference
	3. Do not place the product under the sunlight.
	4. Do not place the product under temperature of 0C or 30F; or over temperature of 50C or 122F. These temperatures will affect the switch and will not be able to operate normally.

	5. Prevent from getting liquid, water or under vapory environment.
	6. Turn off your product before you do cleaning. Clean without any liquidized oil or cleaner.
	7. Maintain the product under a dry environment. Any vapory or liquids will shorten the circuits inside switch.
	8. Do not open the switch at any circumstances. Unauthorized open or disassemble the product will occur failure of machine operation and your product's warranty will be terminated.
	• If you are experiencing the following situation(s), please TURN OFF the power and contact our Repair Center immediately: • Impair of power cables • Has liquid emerge Breakage of case due to accident dropping

Part III. Product Warranty

This product has made a series of quality control tests and exams by Sentry Sensor . If by a normal circumstances the product is defeated without users' failure of operation or breakage, the product is covered by its warranty and will be repaired by Sentry Sensor .

Warranty Terms:

1. Hardware failure: The product is covered by the full-warranty (free charge of repair) without user's failure of operation or breakage.

2. Software: Application program and CD driver will be provided from us, if you install any others program, it will not belong to servicing range.

3. Others:
    - All of included accessories, user's guide, cables, and CD/software is NOT under warranty and will not replace at all.
    - All warranties are covered in world-wide. Please refer to worldwide Warranty and its terms at **wwwSentryUS.com**
    wwwSentrySensor.com

Details of Warranty

This product is covered by one year warranty from the date you purchased. If in a normal circumstance without user's failure of operation or breakage, the product will be covered in full-warranty. If in any other circumstances list in the following, a repair fee will apply to you:

1. if the defeated product is caused by a natural calamity or power outage/pressure

2. if the defeated product is caused by unauthorized open/disassemble or change of circuit specification from other resources than Sentry Sensor

3. accidental dropping by users' act of moving or displacing the product

4. if the defeated product is caused by use the product for other purpose other than it was original design

Sentry Sensor Contact Method

Sentry Sensor Headquarters

5500 Stewart Avenue, Fremont, CA 94538, USA
Phone: 1-510-265-0894
Fax: 1-510-887-1688
Email: sales@SentrySensor.com
Service Time: Monday to Friday (AM9:00~PM:6:00)
Website: www.SentryUS.com
www.SentrySensor.com

SENTRY SENSOR

www.SentryUS.com

www.SentrySensor.com