

Unify Wireless Calling System

— Improving your business by better service



JX Series

- ◆ JX1002 LED Display Server



Unify Technologies

unifymail

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1 Introduction

1.1 A Big Trouble In All Restaurants!

Did you notice how customers get the waiters' assistance when they need services in a restaurant? Cry out loudly or keep waving their hands in public?

The most common complaint from the customers is not the quality of the food or the appearance of the restaurant, but the service! Unify Hall Calling System will enhance the efficiency of your restaurant.

1.2 Unify Wireless Calling System - A Perfect Solution!

Unify Wireless Calling System consists of calling server and a number of calling buttons. The server can be either hung on the wall. The menu calling button can be placed on the table. You can also show the menu and advertisement in the accessory plate. The hall calling button can be fixed onto the table or wall with double side tape where service is needed. After customer press the button, the server will display the table/room number on the calling server screen, so the customer will get waiter's assistance in time.

The whole system is powered by wireless technology for easy installation.

1.3 Advantage to Your Customer

- Customers can call a waiter when they are ready to order.
- Hall calling system will avoid waiter interruption during the private moments.
- The customers don't need to look around, wave his hands or shout out to get the waiter's attention.

- The customers can easily call the waiter to place initial order, during the course of the meal for more food, drinks, bread, butter, wine, dessert, coffee, bill, etc.
- The novelty will surely attract new customers and will delight your existing clients.
- Avoid disturb other customer when call waiter.
- Build a quiet, comfortable environment for customers.
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1.4 Advantage to Your Restaurant

- Waiters will have more time to do other things.
- Waiters will be more efficient.
- Waiters will be less stressed.
- Tables will be available faster.
- Customers will like it so much and will come back.
- Restaurant will get high sales.
- Wireless technology for easy installation
- Multiple servers work without affecting each other
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1.5 Specifications

1.5.1 Wireless Calling Server



- Screen Size:4 inch
- Display: 4 digitals
- Capacity:15 numbers in memory & hold up to 250 calling buttons
- Display Alert: 12 tone polyphonic music & Voice Broadcast
- Optional Setting for music and calling number
- Decoding Type: registration method
- Dimension:500*170*50(mm)
- Power supply:100V~240V
- Frequency:315MHz
- Weight: 3.5 kg
- Clock function, 12/24 hour mode switch

Accessories:

- Power adaptor:12V DC stabilized supply(1unit)
- Hand-held remote control: Delete numbers, page up, page down(1unit)

1.5.2 Menu Button with 1 Key



- Frequency:315MHz
- Coverage of the transmitter: 500M (in open area)
- Decoding Type: registration method
- Button numbers on menu stand:1 (service)
- Coding mode of the host: ASK
- Antenna: exterior or interior
- Battery:9V 6F22 laminated cell
- Dimension:120X85X55(mm)
- Dimension of menu tablet:87X170X2(mm)
- Color: sandalwood; marble; green black; black; orange

1.5.3 Menu Button with 2 Keys



- Frequency:315MHz
- Coverage of the transmitter:500M (in open area)
- Decoding Type: registration method
- Button numbers on menu stand:2 (service and cancel)
- Coding mode of the host: ASK
- Antenna: exterior or interior
- Color: sandalwood; marble; green black; black; orange
- Battery:9V 6F22 laminated cell
- Dimension:120X85X55(mm)
- Dimension of menu tablet:87X170X2(mm)

1.5.4 Table Button



- Wireless technology
- Easily Interchangeable
- Maintenance free
- Radio frequency : 315 MHz
- Operation range: 50~200 meters
- Power supplier: 12-volt battery (inner)
- Round Dome shape design
- Dimension: 67(D)mm X 28(H)mm

1.6 Applications

- Restaurants
- Karaoke lounge
- Disco
- Bars
- Night club
- Cafeteria
- Bowling alleys
- Bathe room
- Hospital
- School
- Super market
- Shopping centre
- Factory production lines (for an individual worker's calling the supervisor)

2 Installation

2.1 Install Hall LED Display Server

- The hall LED Display server can be fixed on the wall or hung under the ceiling or placed at the table.
- Plug the power adaptor to the jack and connect it with the server, the screen will shortly high light display with the tone alert.
- To get good receiving effect, please fully stretch out the antenna and make sure there are no metal-made articles around the hall LED Display server.
- Please prevent the server screen from the sunlight.

2.2 Install Buttons

- Make your plan of numbering the tables/rooms.
- Check the number of the buttons.
- Place the button at the proper area according to the button number set in the server.
- For menu button, to get good receiving effect, please fully stretch out the antenna. After replacing the menu or the advertisement paper in the plate, please make sure the plate is well combined with the bottom in case of the bottom is dropped while picking the plate, which will result the bottom shell and inner circuit broken. You could insert a piece of scrip in a proper thickness between the plate and the bottom, in this case, with the noble appearance, the combination between the plate and bottom is also strengthened.
- For table button, peel off the film on the back of the button and fix it on the table. You also can fix it on the wall. Or you may fix it on the menu stand. Or you may just put it on the table when the tables are covered with table cloth.

- For hand button, you can screw its base on the wall and set the button into the base. Once your customer needs service, they can get it out from the base and put it back after calling.
- Install 1 button for every table/room
- Press “Call” on the button, the signal light should flash and the server should respond to the calling.
- After a period of using, in the case that the signal sent from the emitter is weakened or the server can not receive the signal from that button, please replace the battery.

2.3 Before Power on...

1. Make clear about your local power voltage (110V or 220V)
2. Adjust the switch on the transformer according to your local power voltage (please be very careful, incorrect voltage will damage the server!)
3. Power on
4. Press a button to check display function
5. Adjust display time if it is needed
6. Adjust speaker volume if it is needed

3 Operation Guide

3.1 Receive the Calling Button Signal

- When the customer need the service and press the red service calling button, the server will receive the signal and display its button number in the screen with the tone alert.
- When you get the new calling while the previous calling table is still not served, the latest calling number will not be displayed at the LED, but there will be an alert to tell the waiter. The waiter could check the new service request with the Remote Controller. The server has the capacity of 15 calling numbers.
- If the calling table is still not served, the server will prompt tone in every 10 seconds and high light the calling number in the screen.

3.2 Process the Calling Number in the Server

- If there are several callings, you can use the hand hold remote control to check all. You can page up or page down to roll the display.
- When the waiter is ready to serve the calling table, press ■ to delete that calling number, the server screen will show “ - - - ” and prompt a long tone.
- If there are calling tables which is still not served, the screen will show the penult calling number after showing “ - - - ” .




4 System Configuration

4.1 Register the Number in the Server

- There are three buttons on the accessory remote control: ↑, ↓, ■
- Simultaneously long pressing ↓ and ■ until the screen shows “SET 1 “, in this case, the host entered into the System setting status.
- Press ↑ to switch ‘SET 1’ to ‘SET 9’
- Press ↓ to make settings in the selected model among Set 1 and Set 9
- Press ↑ to change the setting in the selected model
- Press ↓ to save the setting in the selected model and switch to the next setting model.
- Press ■ during the settings, it will exit the setting system.

4.1.1 The Function from Set 1 to Set 9:

- Set 1: Clock setting. The clock will not be displayed if there is any calling service
- Set 2: Music alert setting. There are 12 tones from 01 to 12. The mute setting is 00
- Set 3: Volume setting. It ranges from 1 to 4. The minimize setting is 1 and the maximum setting is 4.
- Set 4: Clock setting for hour mode. There are 2 options for hour mode switch, 12 and 24.
- Set 5: Time setting for auto deleting calling number. The time is arranged from 5 seconds to 95 seconds. For example, set the auto deleting time as 10 seconds, the calling number will be deleted after 10 seconds. The “00” is for manually deleting. To avoid missing any calling service, the manual deleting is recommended.

- Set 6: Prompt mode setting. The music prompt is “0”, and the voice broadcast (in Chinese) is “1”
- Set 7: Prompt duration setting. The music prompt duration is arranged from 5 seconds to 90 seconds. “00” is the continuing play. To terminate the music alert, press ,  button on the remote controller.
- Notice: the prompt duration should be shorter than the auto deleting time for calling number. If the prompt duration is longer than the auto deleting time for calling number, the music alert will be stopped once the number is deleted.
- Set 8: Digital setting for the calling number. The digital could be set as 2 digitals, 3 digitals and 4 digitals.
 - ✓ If the server screen is set as 2 digitals, there are more than 99 numbers to be displayed; the maximum is 160 numbers, since the first digital could be set as A, B, C...F, like B7.
 - ✓ If the server screen is set as 2 digitals in 2 groups, the waiters could know the order of the calling and the total amount. Press  button on the remote controller, the second group in the previous page will be displayed as the first group in the current page.
 - ✓ If there are more than 100 seats, the server screen could be set as 3 digital, from 0 to 999. But the maximum capacity of the server is 250 calling buttons.
 - ✓ If there are more than 2 floors or areas, the server screen should be set as 3 digitals: The first digital start with A to F. The second and third digitals are the number for calling buttons. The last digital is the amount of total calling need to be served.
 - ✓ If the server screen is set as 4 digitals, but the calling button number is in 2 digitals, the last 2 digitals in the server LED are FF. The display mode is in this way: 11FF, or 22FF.

- ✓ If the setting of calling button is in 3 or 4 digitals, but the server screen is set as 2 digitals, only the first two digitals could be displayed.
- ✓ When you get the new calling while the previous calling table is still not served, the latest calling number will not be displayed at the LED, but there will be an alert to tell the waiter. The waiter could check the new service request with the Remote Controller.
- Set 9: the Calling button setting. The calling button can be set as one key, two keys, three keys and five keys. The one key and two keys buttons could be combined using in one system. Only set as two keys, the cancel buttons in the two keys model could be used.

4.2 Register the Number for the Buttons

Simultaneously long pressing **↑** and **■** until the screen shows “- -”, this case, the server is ready to set the button number

- Press **↑** once, the screen will display ‘00’
- Press **↑** is to increase current digit
- Press **↓** is to switch digit

For example, current setting is the first digit, press **↑** once, the digit will be increase once; if you press **↓**, it will be switched to the second digit.

After getting the button number you want to set, press the corresponding button, the screen will show “- - -” with tone to prompt you. In this case, the button number is successfully set in the server.

4.3 Add Two or More System at the Same Venue

- One-to-more mode:

You can set one server to receive all button signals in the different area or floors.

- **More-to-one mode:**

You can make several servers to receive the button signal at the same time. Any button is pressed, the servers in different floors or area will simultaneously display its button number.

- **More-to-more mode:**

You can make several servers to receive just the button signals from its corresponding floor or area. For example, you can register the buttons installed in A area in one server and set their first letter start from A. and register the buttons installed in B area in another server and set their first letter start from B.

4.4 Lifetime of Button Battery

Battery's lifetime is depends on the frequency of use but usually it lasts for 1 year. However it should be replaced immediately when the following happens

- The server doesn't respond to the button any more.
- The signal light is dim or does not flash any more
- Every 2 years whether you use it or not.

4.5 Change Button Battery

1. Hand hold remote control

- a. Unscrew the screws at the back side
- b. Open the lid and replace the new battery carefully.
- c. Screw on the screws.

2. Menu button:

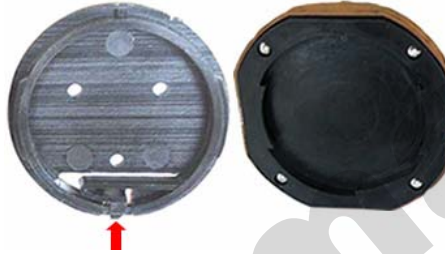
Notice: Don't pull the cable connecting with the battery while you replace the battery.

- a. Unscrew the screws at the bottom of the button.
- b. Separate the connector with the batteries

- c. Connect the new battery with the connector
- d. Lock the battery cover and screw on the screws.

3. Table button:

Notice: The button structure is specially designed. You don't need to stick off the button bottom from the table. Please change the battery this way.



- a. You can find a small nick around the button. Poke the clip in that nick and rotate the button, then the button will be separated with the bottom
- b. Unscrew the 4 screws and replace the battery with the new one.
- c. Screw on the screws and rotate the button to fix it on the bottom

4. Hand button:

Open the lid to replace the battery.

5 Troubleshooting

- 1、 How to make the server with better signal ?
 - a. Stretch the server antenna longer.
 - b. Keep the server away from the metal fittings.
 - c. Avoid or reduce the block between the server and the emitter (button).

- 2、 How to make the emitter (button) with better signal ?
 - a. Stretch the emitter (button) antenna longer.
 - b. Place the button on the table and use just one finger to press the button.
 - c. Avoid or reduce the block between the server and the emitter (button).
 - d. Replace the batteries in time once the energy is shortage.

- 3、 When should I replace the batteries in the button ?
 - a. The indicator light is dim while pressing the button.
 - b. The signal is transmitting unstably.

The batteries should be replaced while the above cases happened.

