

Unify Wireless Calling System

— Improving your business by better service



JX Series

◆ JX1004-1Key Pager Server



Unify Technologies

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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 hand in public?

The most common complaint customers have is not the quality of the food or appearance of the restaurant; people choose a place to dine out based on the service. Unify Wireless Calling System will enhance the efficiency of your restaurant.

1.2 Unify Waiter Paging System – A Perfect Solution

Unify Waiter Paging System consists of one Waiter Paging server and a number of calling buttons. The waiter can receive the calling signals while serving with carrying the Waiter Paging receiver. The button can be placed onto the table. You can show the menu or advertisement in the plastic plate. After customer press the button, the receiver will display the table/room number on its large and clear 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.
- The Waiter Paging system will avoid waiter interruption during private moments.
- The customer don't need to look around, wave his hands or shout 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 disturbing other customers while calling waiter.
- Build a quiet, comfortable environment for customers.

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 sell more food.
- Wireless technology for easy installation
- Multiple servers work without affect each other

1.5 Specifications

1.5.1 Waiter Paging Server (PCS)



- Receive the signal and transmit to the Waiter Paging receiver
- Each can carry up to 200 calling buttons
- Each can carry up to 200 Waiter Paging receivers
- Each can carry up to 10 Waiter Paging controllers
- Use computer to associate the calling button with the Waiter Paging receiver
- Work mode: one-to-one, more-to-one, one-to-more
- Coverage of the Waiter Paging receiver: 3000 M (in open area)

1.5.2 Waiter Paging Receiver (PCR)



- Receive the signal from the calling button and the Waiter Paging controller
- Work Mode: Vibrating alert or silent
- 12 species of the ringing voice for your choice
- Calendar and Date is more convenient for the waiter
- One calling button signal can be sent up to 5 receivers
- 1 receiver can be assigned up to 199 calling buttons
- The system can accommodate up to 199 Waiter Paging receivers
- Coverage of the Waiter Paging receiver: 3000 M (in open area)

1.5.3 Menu Calling Button with 1 Key (MCB1)



- 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)
- Colour: sandalwood; marble; green black; black; orange

1.5.4 Table Calling Button 1 (TCB1)



- 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

1.5.5 Waiter Paging Controller (PCC)



- Dimension:85X37X15(mm)
- Radio frequency :315MHz
- Coverage of the transmitter: standard 500m, enhanced: 1000m
- Decoding Type: registration method
- Coding mode of the host: ASK
- Antenna: exterior
- Colour: milky white
- Battery:12v 23A

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)

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2 Installation

2.1 Hardware Installation

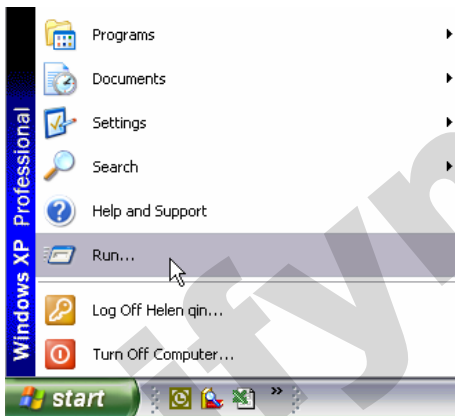
Attention: Please install transmitting antenna to the upper right-hand corner of the host, then connect power, otherwise they will destroy host's high-frequency power components.

- We suggest you fix the calling receiver on the wall and keep the antenna upright for sending and receiving the signal well. For the signal can be transmitting stably, you can consider placing the calling receiver on the table.
- To put the server mounted on the wall to ensure upward vertical antenna for optimal transmitting effect. While Wireless signal transmitting stably, it can be considered to place the host on the table.
- Power on the host, yellow-power lamp
- Check the number of the buttons.
- Place the button at the proper area according to the button number set in the receiver.
- For menu calling 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 handset calling button, you can screw its base on the wall and put 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.

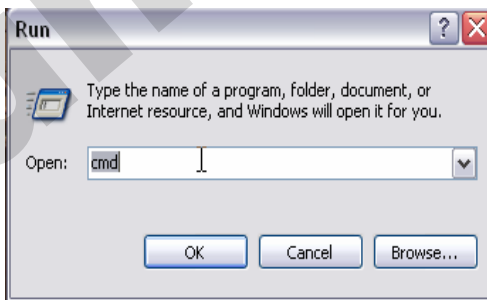
- After a period of using, in the case that the signal sent from the emitter is weakened or the receiver can not receive the signal from that button, please replace the battery.

2.2 Software Installation

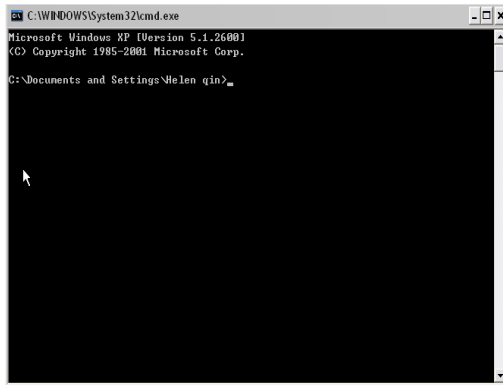
- Create a new folder named 'unify' in the root path of c drive.
(C:\unify\)
- Download the software and extract it to the unify folder created as above
- Click Start->Run



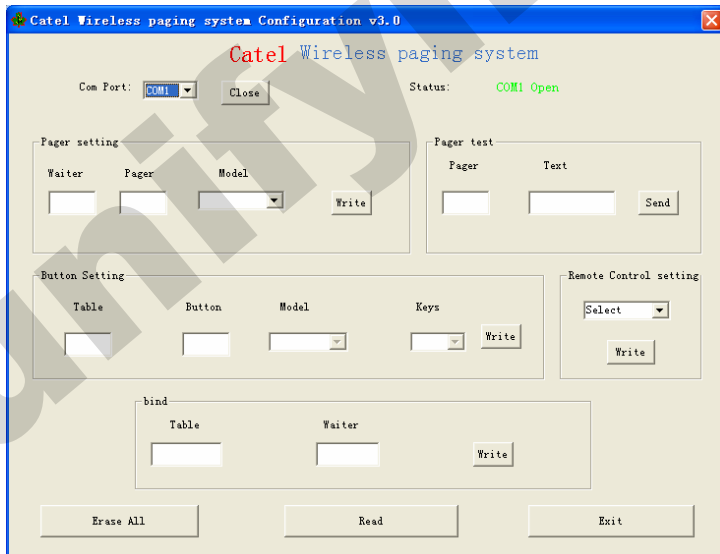
- then type in 'cmd'



- The DOS command window is open.



- Input `regsvr32 c:\unify\MSCOMM32.OCX` in it and press enter button. Then it will prompt message to inform that the register is successful.
- Double click `BPSETUP.exe`, the setup program will be open.



3 System Configuration

3.1 COM Ports (Communication Ports)

Connect the Pager Server COM port to the computer COM port through the 9-pin cable. There are four options. The COM1 is set as the default port. If the COM1 is occupied, to try the other three ports in turn.

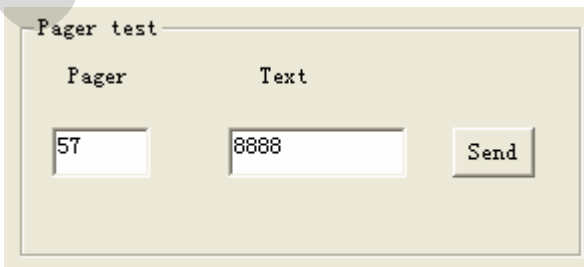
3.2 Port Status

Display the status of the port. GREEN: the port is open and available for use; RED: the port is close and unavailable for use. Press 'SET' button, get the number via pressing 'PAGE UP', then keep pressing the calling button until the last digital of the receiver screen displays "F". It will exit the setting module if there is no signal calling in after pressing the 'set' button...

3.3 Test the Waiter Paging Receiver

You can test the Waiter Paging receiver in this module. Input the address code (it could be found on the back of the pager), input the content what you want to show in the Waiter Paging receiver, press 'send' button, then the Waiter Paging server will send the message to the Waiter Paging receiver. The content must be number from 1 to 9999.

For example: you want the receiver with the address code as 57 to show the content '8888'. You can test it as below.



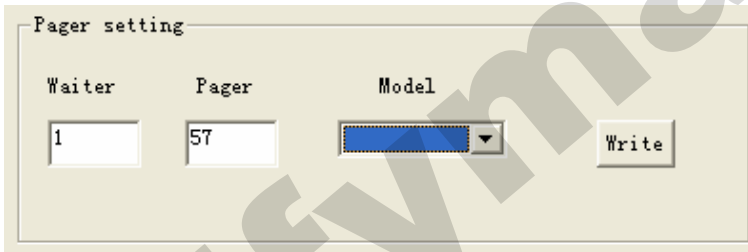
The screenshot shows a software interface titled "Pager test". It contains two input fields: "Pager" with the value "57" and "Text" with the value "8888". To the right of the "Text" field is a "Send" button. The interface is enclosed in a light-colored border.

3.4 Pager Settings

You can associate the Pager number with its address code in this module. Each pager has its unique address code and number. The number can be set between 1 and 199. Pager number 1~99 can be dispatched by the Waiter Paging Controller. The receiver number 100-199 can not be dispatched but only for receiving the signal from calling button. The address code of the Waiter Paging receiver can be found in its package.

For example:

Waiter No.1, you can set his Waiter Paging receiver number as 1. The address code offered in the package is 57. You can set it as below.



The image shows a software window titled "Pager setting". Inside the window, there are three input fields arranged horizontally. The first field is labeled "Waiter" and contains the number "1". The second field is labeled "Pager" and contains the number "57". The third field is labeled "Model" and is a dropdown menu with a blue background and a downward arrow. To the right of these fields is a button labeled "Write".

To dispatch waiter #1 to room201, press button *01201# on the Waiter Paging controller, No.1 Waiter Paging receiver on waiter #1 will show “201”

3.5 Calling Button Configuration

You can associate the calling button number with its address code in this module. When you press the keys of the Calling Button, the button number will be displayed on the receiver screen.

Firstly, press any key of the calling button, the software will read its address code and write it in the software automatically.

Note: If the button has been set in the transceiver unit, its serial number will show up in under “button” with green background.

If the button has never been set, the input box under “button” will display the new address code with Red background. In this case, input the table’s number under “table”, and click “write”.

The table number could be set between 1 and 9999;
This system could register 149 buttons max.

For example:

Table (room) No. 8888, the address code is 101. You can set it as below

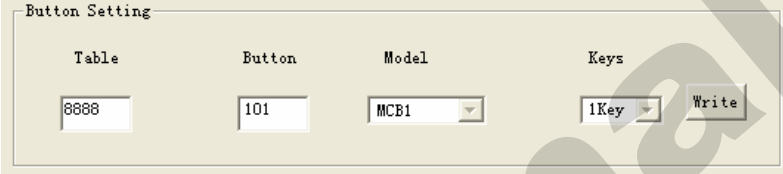


Table	Button	Model	Keys
8888	101	MCB1	1Key

Write

When customer press the button, the button number ‘8888’ will be displayed on the waiter’s Pager. (The range of Table (room) number is 1~9999, and the address code of the calling button will be read out and write in the software automatically.)

The system can accommodate up to 199 calling buttons.

3.6 Bind Table with Waiter Together

Input the number of Call Button and the number of Pager, then click “write”.

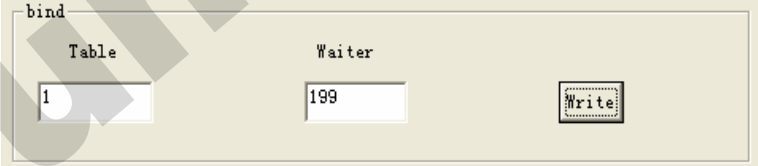
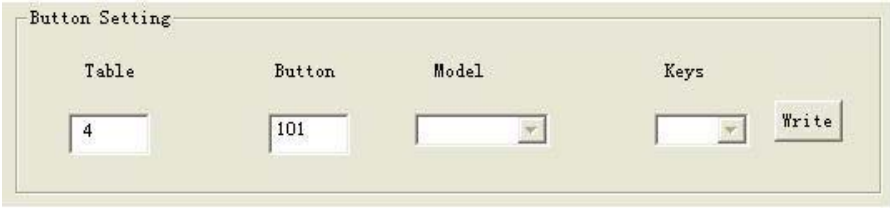


Table	Waiter
1	199

Write

3.7 Remote Controller Settings

Press any key on the remote control, the software will read out its address code and display it under the “Button”. And click the “write”.



Button Setting

Table	Button	Model	Keys
4	101		

Write

If the Remote control has been registered before, the input box under button with yellow background.

If the Remote control has not been registered before, the input box under button is red background. In this case, select mode 1, and press Write.

We can register up to 10 remote controls.

How does the remote control work?

For example:

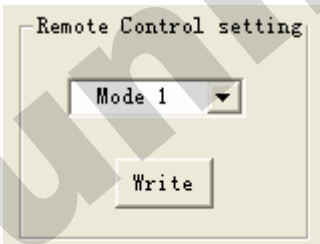
Have the Waiter No.1 go to Table 201, press the following keys in order: *01201#,

Waiter No.1's pager will show 201;

Have the Waiter No.2 go to Table 888, press the following keys in order: *028888#,

Waiter No.2's pager will show 8888;

You can select the model of remote controller in this module.



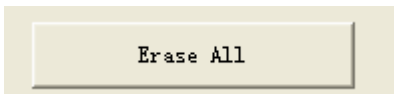
Remote Control setting

Mode 1

Write

3.8 Initialize the Waiter Paging Server

For the removal of all settings to reset the whole system, please do it with caution.



Erase All

4 System Configuration

4.1 Lifetime of Button Battery

Battery's lifetime 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 the button any more.
- The signal light is dim or does not flash any more
- Every 2 years whether you use it or not.

4.2 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.

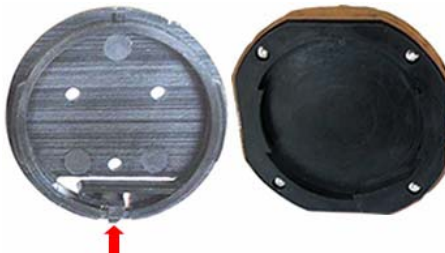
2. Menu button:

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

- a. Unscrew the screws at the bottom of the calling 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 1:

Notice: The button structure is specially designed. You don't need o 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

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5 Trouble Shooting

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

