

MMCall®

Standard Guest Paging System

User Manual



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1. Summary

1.1 Summary

MMCall standard guest paging system includes paging transmitter and coaster. Customer is given a coaster, so he can take a seat or shop nearby. When the dishes are ready or tables are available, the staff will page that coaster number by the paging transmitter, the coaster will receive the message with sound, light and vibration alert.

Extended functions: This system is also compatible with LCD pagers wearing by manager or staff, for interior staff management.

Featured functions: MMCall coaster's ID can be manually programmed. And the coaster No. can be bound together with the bills No., which makes the paging more convenient. Out of range alert function can prevent customers from moving out of the range.

1.2 Parameter

Category	Parameter
Dimension	220mm * 130mm * 45mm
Display	LCD1602, 2*16 characters
Keypad	0~9 digit input
Power supply	12V/ 1.5A
Interface	USB、RS485 (Ethernet)
Frequency	Customization available
Paging No. in cache	20
Editable Bills No. quantity	100
Transmitting power	Inside 500mW
Antenna	Outside BNC socket
System capacity	Coaster pager—500 Staff pager—500 Default one key paging—10 Duty alert—10
Signaling standard	POCSAG, supports numeric coding
Temperature	-0°C—+65°C

Table 1.1 Parameter List

1.3 Appearance

T10 Paging Transmitter as picture 1.1;

The panel part includes display area, key pad area, scan area and buzzer speaker, among which the key pad area function is as following.

ESC —— Return

ENT —— Confirm

F1 —— Switch guest paging/staff paging interface

F2 —— Edit bill No. interface

F3 —— Enter/Exit single key paging interface

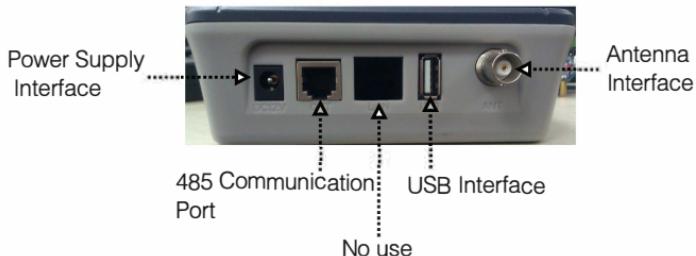
F4 —— Enter setup interface

0~9、# — Numeric keypad

* — Delete (Short press to delete one character,
long press to clear all the characters in the input area)

SEND —— Send

Paging Transmitter Interface





Picture 1.1 Transmitter Appearance

2. Operation Guidance

2.1 Guest Paging

Guest Paging Interface as picture 2.1,



Picture 2.1 Guest Paging Interface

<Gcall> means guest paging interface, 12:07 is time, NUM means to input number. E.g., No. 010 can be input as 10 or 010, then press SEND. If this coaster number is edited and bound together with the bill No., e.g, coaster No. 10 is bound with bill No. 1234, then input #1234 and press SEND, the transmitter can also page the coaster No. 10. If page successfully as picture 2.2, there will be a transmit icon shining for 1 second, which means sending successfully.



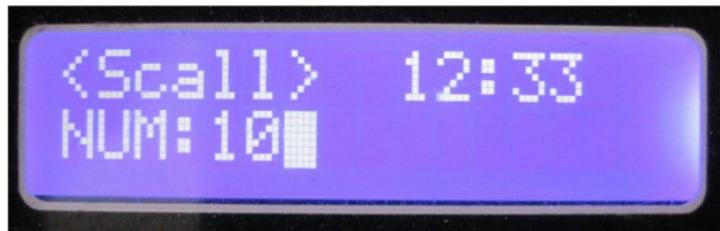
Picture 2.2 Page Successfully Interface

Under guest paging interface, if input 0 in NUM, and press SEND, all the coasters can be paged.

Notes: For this function, the coaster second ID has to be setup and it has to be the same as guest group paging ID.

2.2 Staff Paging

Staff paging interface as picture 2.3, press 'F1' to switch staff/guest interface.



Picture 2.3 Staff Paging Interface

<Scall> means staff paging interface, 12:07 is time, NUM means to input number, the paging method is the same as guest paging. Press ENT to input additional messages for staff pager, as picture 2.4.



Picture 2.4 Staff Paging Message Input Interface

MEG: Maximum 12 digital message, press SEND, the message will send to certain pager receiver.

Under staff paging interface, input 0 in NUM, and press SEND, all the pagers can be paged.

Notes: For this function, the staff pager second ID has to be setup and it has to be the same as staff group paging ID.

2.3 Single Key Paging

Press F3 to enter single key paging interface, as picture 2.5. Use upper and lower key to check and read the single key message, input 0-9 to page the corresponding waiter/staff pager.

Notes: Single key paging can only page the staff/waiter number but not the guest number.



Picture2.5 Single Key Paging

<Ocall> means one key paging, 12:33 is the time, 0 is the single key number, 010 is the waiter/staff number, after – is the preprogrammed message content. Input 0 and press SEND, then the message under single key 0 will be sent.

2.4 Edit Bill No.

Press F2 to enter Bill No. edit interface. Bill No. paging is just for guest paging and its corresponding bill No., staff paging can not be used, as picture 2.6.



Picture 2.6 Edit Bill No. Interface

<Order> means bill No. paging, 00 is serial number, 010 is coaster pager number, the four digit after -# is the bill number, and the bill number has to be four digit.

1. Edit bill No.

Use keypad to input digit, the coaster pager number has to be preprogrammed in the paging transmitter, press ENT, the message will be saved in the transmitter. The serial number will automatically come to 01. If to delete the previous data, press upper/lower key to move the cursor to the serial number, press * to delete the bill No. information. If the next input coaster number is already existed in the transmitter, it will replace the previous one and its corresponding bill No.

2.5 User Setup

User setup list as table 2.1.

Table 2.1 User Setup List

Interface	Function
1.DateTime	Setup time
2.Duty Alert	Staff Duty Alert
3.Out of Range	Out of Range Alert
4.PassWord	Modify password
5.Receive set	Setup coaster
6.After call	Repage

2.5.1 Setup Time

Setup time interface as picture 2.7

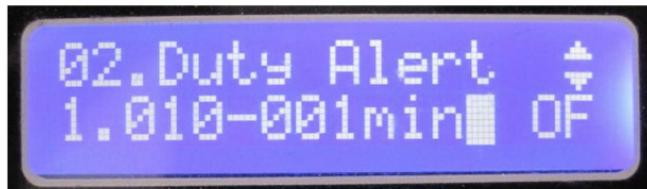
Use the key pad to input the time, use the left/right key to move the cursor and modify the data.



Picture 2.7 Setup Time Interface

2.5.2 Duty Alert

Setup duty alert interface as picture 2.8, 1. is the duty alert serial number, maximum three duty alert messages can be edited, 010 is the staff pager number, 001min is the interval for circularly page, the unit is minute. '#' is to switch ON/OFF interface. ON is to turn on this function, OFF is to turn it off. Press ENT to enter the interface as picture 2.9.



Picture2.8 Setup Duty Alert

Picture 2.9 is to input the duty alert message, use the keypad to input the data and use the left/right key to move the cursor and modify the data.



Picture 2.9 Duty Alert Input Message Interface

Duty alert is for staff use. The ID address has to be the staff's pager ID, the alert message will be sent as the preprogrammed time interval. If ON, then this duty alert will be constantly sent until it switches to OFF.

2.5.3 Out of Range

Out of range alert as picture 2.10, 10s is the heartbeat time between paging transmitter and coaster, the time unit is second. '#' is to switch on/off this function. For this function, the second coaster ID should be used, after this function is on, the transmitter will send the heartbeat data as the preprogrammed time interval, when the coaster does not receive the heartbeat data within 2 times as the preprogrammed time(here it's 20S), the coaster will give an out of range alert.



Picture 2.10 Setup Out of Range Alert

Notes: For this function, the second ID address has to be used, and it has to be matched with the guest group paging ID.

2.5.4 Modify Password

Pre: Input current password, e.g. 1234

Now: New modified password, e.g.: 2345

Press ENT, there will be a success prompt, otherwise failed, as picture2.11



Picture 2.11 Modify Password Interface

2.5.5 Coaster Setup

It is to setup the coaster pager parameter, the interface as picture 2.12.



Picture 2.12 Coaster Setup Interface

1. Setup Ring Times

N:_is ring times of coaster, maximum 9 times, if 0, it will ring all the time until the coaster is put back to the charger, this can be modified through the keypad 0-9.

2. Setup Interval Time for Ring

T:_s is the ring time interval, unit is second, maximum 99s, this function will only work when N is setup as 0.

3. Setup Ring Method

W: _is different ring choices, press upper/lower key to switch(vibration, ring and shine), # is to switch on/off this function.

M-ON Turn on vibration

M-OFF Turn off vibration

R-ON Turn on ring

R-OFF Turn off ring

L-ON Turn on light shine

L-OFF Turn off light shine

Notes: If all the setup is OFF, after the coaster receives message, the alert method will be default as all is ON.

Press ENT to save setup information.

2.5.6 Repage Setup

In repage setup interface, repage times and time interval for the transmitter can be setup, coaster setup as picture 2.13.



Picture 2.13 Repage Setup

1. Setup repage times

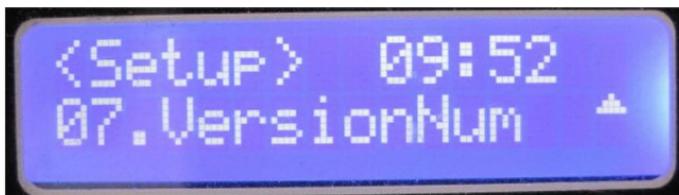
N: _means repage times, maximum 9, 0 means no repage, use keypad 0-9 to modify the repage times, use left/right key to move the cursor.

2. Setup repage time interval

T: _s means repage time interval, maximum 99s, 1s is recommended to be used. While the time interval for queuing paging is the same as this time interval setup. Use keypad 0-9 to modify the times, use left/right key to move the cursor. After modification, press ENT to save the information.

2.5.7 Check Program Version

As picture 2.14, press ENT to enter the interface, press ESC to exit.



Picture 2.14 Check Program Version

2.6 Project Setup

Warn: Non professional staff please be careful about this operation, otherwise it may effect the use for the whole system.

Project setup list as Table 2.2

Table 2.2 Project Setup List

1.EditGroupID	Edit guest group paging ID
2.EditGroupSID	Edit staff group paging ID
3.EditGuest ID	Edit guest pager No. &ID
4.EditStaff ID	Edit staff pager No.& ID
5.Edit Okey ID	Edit single key paging
6.Edit Message	Edit common message (currently can not be used)

7.DeleGuest ID	Delete guest pager No. message
8.DeleStaff ID	Delete staff pager No. message
9.Dele Okey ID	Delete single key paging message
10.Dele Message	Delete common message (currently can not be used)
11.TestMode	Test Mode
12.Initialize	Initialize all the data
13.Send Mode	Setup transmitting mode
14.Set Frequency	Setup coaster frequency
15.OutPut Lead	Always output lead code

2.6.1 Guest Group Paging ID

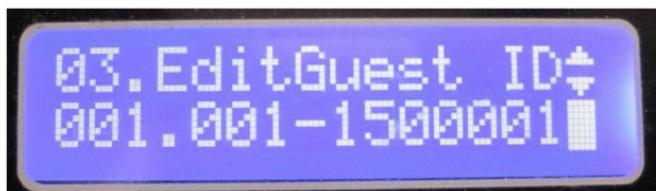
Input ID through keypad, which has to be the second ID of the coaster pager, as picture 2.15



Picture 2.15 Edit Guest Group Paging ID

2.6.2 Guest Paging ID

The message before – is the coaster No., after – is the ID, press ENT to save the data. If there are repeated No. input, it will replace the previous No. Press upper/lower key to check and modify the message, this ID address is the third ID of the coaster, as picture 2.16.



Picture 2.16 Edit Guest Paging ID

2.6.3 Single Key Paging

Use upper/lower key to edit the single key paging, 0 is the single key number, 001 is the corresponding waiter/staff number, the content after- is the paging message. Press ENT to save the message. This function is only for staff paging use, the ID has to be the ID of staff pager. E.g. 001.002-0989897, press F3 to enter single key paging interface, press keypad 1, then it will page staff pager No. 002 and the paging message is 0989897. Press one time it will page one time. For this function, no need to press SEND, just the single key will be ok.



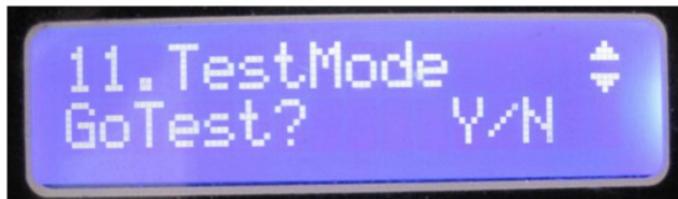
Picture 2.17 Edit Single Key Paging Message

2.6.4 Delete Message

Enter delete message interface, press upper/lower key to the message to be deleted, press '*' to delete that message.

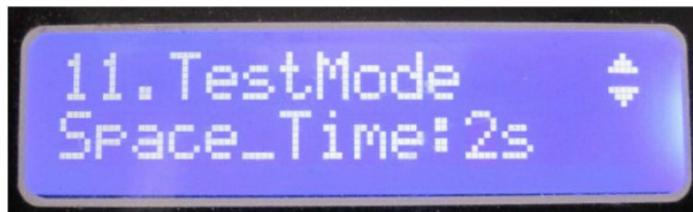
2.6.5 Test Mode

In test mode, use left/right key to move the cursor, if choose N and press ENT, it will exit the current interface, if Y then press ENT, it will enter the test mode, as picture 2.18.



Picture 2.18 Test Mode

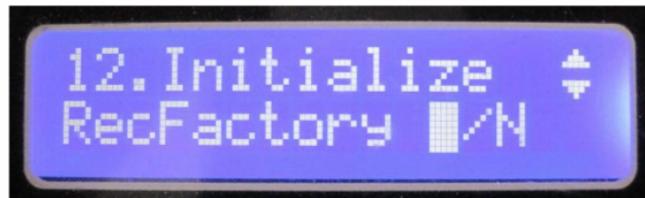
After enter test mode as picture 2.19, press upper/lower key to modify the interval time. Under this mode, the group ID has to be the second ID of coaster.



Picture 2.19 Enter Test Mode Interface

2.6.6 Initialize

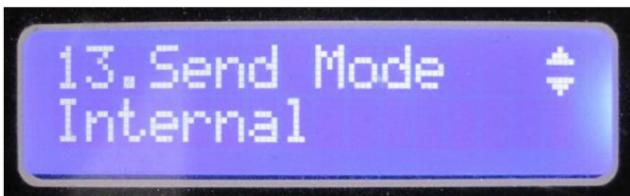
User left/right key to move the cursor, if choose N and press ENT, it exits the current interface, if Y then ENT, it will start initialization, as picture 2.20



Picture 2.20 Initialize

2.6.7 Send Mode

Setup send mode as picture 2.21, use upper/lower key to modify the mode, in total two modes: Internal and External. The default mode is Internal. If External mode, it will switch to 485 interface with external transmitter to send the data.



Picture 2.21 Setup Send Mode

2.6.8 Modify Frequency

1. Setup link

As picture 1.1, it's the link interface, put the coasters nearby T10 paging transmitter, press ENT, as picture 1.2, which means it is linking. If it links successfully, then half of the coaster lights will be on. If not, then press ESC to return to the interface as picture 1.1 shows, press again ENT until it links successfully.



Picture 2.22 Link Interface



Picture 2.23 Linking

2. Modify Frequency

After setup links successfully, it will come to the interface as picture 2.24, press the keypad 0~9 to input new frequency. The frequency range is 420~450Mhz. Please modify within this range, otherwise the distance may be affected.



Picture 2.24 Input new frequency

After input new frequency, press ENT to enter the interface as picture 1.4, after modify successfully, another half of the coaster light will shine, which means modification is finished, it will turn to the test mode as picture 1.5 . At this time the transmitter frequency is already the modified one.



Picture2.25 Modify frequency



Picture 2.26 Test mode

In test interface, press ENT, the transmitter will send the test data, if frequency is modified successfully, the coaster lights will shine. Otherwise it won't shine.

Data Sending Interface as picture 1.6 shows



Picture 2.27 Data Sending Interface

3. FCC Important Note

FCC Part 15.19 Warning Statement

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

FCC Part 15.21 Warning Statement

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Part 15.105(b) Warning Statement

NOTE: 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 or more 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.

RF EXPOSURE

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



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