



# User's Guide

of the

# Happy Call

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

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.

## CHARMSORI Electric Telecom Co., Ltd.

## 1. Product Description

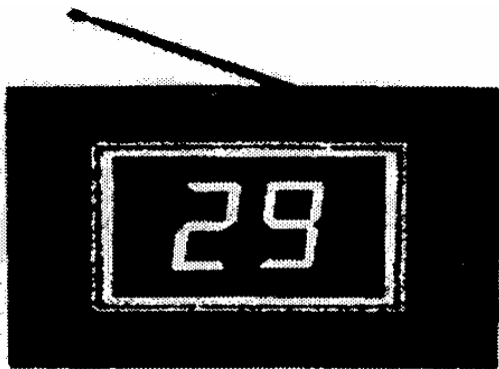
Thanks for purchasing Happy Call System. This device is wireless calling system which adopted High-performance CPU(Central Processing Unit) of Pro-Chips Company.

Using Wireless Transmitter and Receiver, User can communicate each other without talking by face to face, so this device is very useful at restaurants.

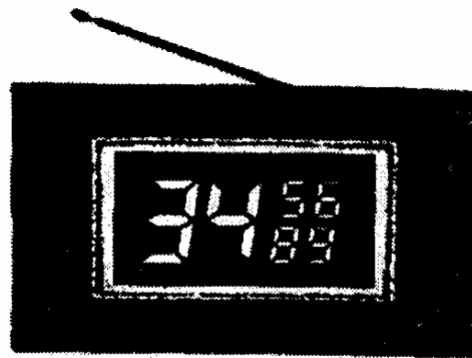
## 2. Product Details

### 1) Receivers

- Front View

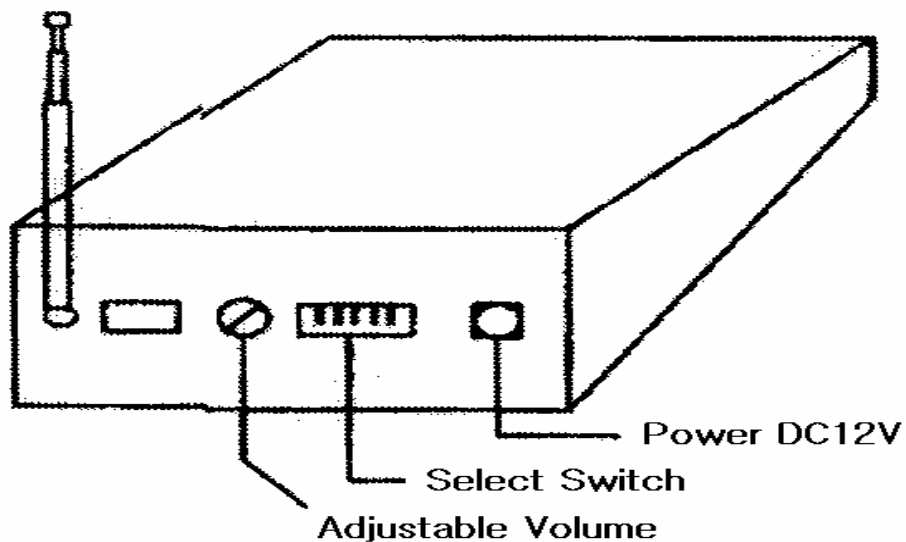


MC-6000 Series

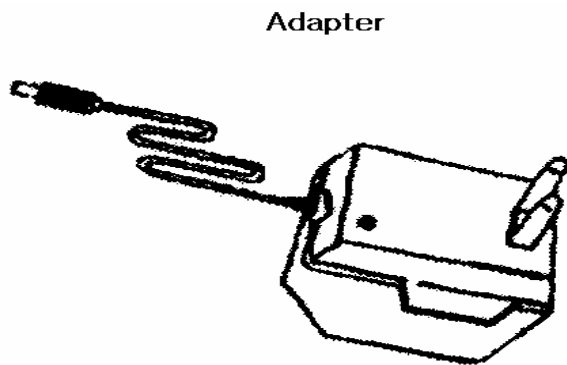
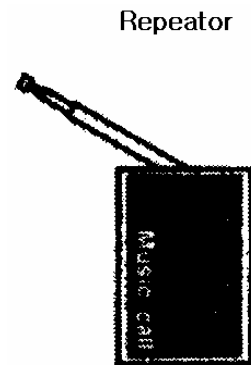
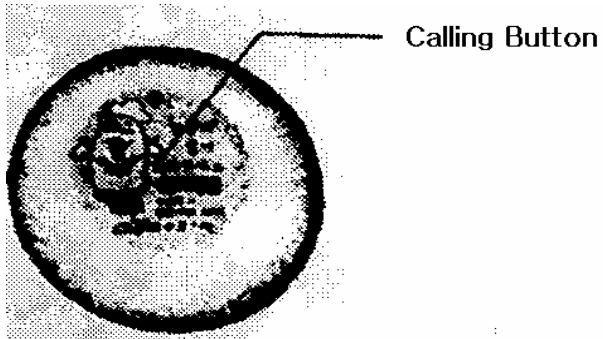


MC-7000 Series

- Rear View



## 2) Transmitter



\*\* Repeater and Adapter is optional.

## 3. Operation Instruction

### 1) Receiver

#### MC-6000 Series

- When power is on, the receiver conduct self-diagnosis with music is being played and the display blinking in order.
- When a table number is input, it appears on the screen and the number goes off after time setup.
- Input numbers can be memorized(maximum 10) and replayed.

## MC-7000 Series

- When power is on, the receiver conducts self-diagnosis with music is being played and the display blinking in order.
- When a table number is input, it appears on the screen and the number goes off after time setup.
- When several numbers are input, they appear moving from the left to the right in the order of input.

2) Transmitter (commonly used in MC-6000 & 7000 Series)

3) Repeater (commonly used in MC-6000 & 7000 Series)

## 4. Installation

### 1) Receiver

Avoid humid places.

Install it at least 3m away from wireless devices(such as wireless phones) and the places of big magnetism(such as speakers).

Check the electric power source and voltage of the place where it is installed(220V).

The antenna is regulated at the angle ranges of 0°~45° and a 3-stage antenna is used.

When power is on, check the self-diagnosis(refer to 1-3).

### 2) Transmitter

Install it at least 3m away from the receiver.

In case batteries(A23, 12V) are exchanged, insert identical batteries after loosening screws of the backside(pay attention to +,-).

Batteries should be exchanged when the blinking of the lamp on the top of the transmitter conspicuously slows down.

### 3) Repeater (In case of installation)

The translator, as a wireless one, can be installed by the only power connection without additional electric wire.

The channel choice of the translator is the same as the channel regulation of the backside receiver(SW1, SW2 and SW3 are turned on always).

The translator should be installed in places near the regions where transmission is not available .

## 5. Option set-up

### 1) Receiver

SELECT S/W No. 1-4 have their own functions. When options are changed, the power of S/W should be turned on again after 4-5 seconds' off to make the receiver recognize the change.

#### SELECT S/W Functions(Receiver)

SOUND Select				Time Select			CH Select						
SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8		
OFF	ON : Ring Ring	ON : For Elife	ON : Happy my house	MM CC - 67 0000 0000 SERIES OFF ON	Time Adjust		MC-6000 MC-7000						
* Repeater : SW1, SW2, SW3 : ON				5 sec	ON	ON	1	OFF	OFF	OFF	OFF	OFF	
				10 sec	OFF	ON	2	ON	OFF	OFF	OFF	OFF	OFF
				15 sec	ON	OFF	3	OFF	ON	OFF	OFF	OFF	OFF
				30 sec	OFF	OFF	4	ON	ON	OFF	OFF	OFF	OFF
							5	OFF	OFF	ON	OFF	OFF	OFF
							6	ON	OFF	ON	OFF	OFF	
							7	OFF	ON	ON	OFF	OFF	
							8	ON	ON	ON	OFF	OFF	
							9	OFF	OFF	OFF	ON	OFF	
							10	ON	OFF	OFF	ON	OFF	
							11	OFF	ON	OFF	ON	OFF	
							12	ON	ON	OFF	ON	OFF	
							13	OFF	OFF	ON	ON	OFF	
							14	ON	OFF	ON	ON	OFF	
							15	OFF	ON	ON	ON	OFF	
							16	ON	ON	ON	ON	OFF	
							17	OFF	OFF	OFF	OFF	ON	
							18	ON	OFF	OFF	OFF	ON	
							19	OFF	ON	OFF	OFF	ON	
							20	ON	ON	OFF	OFF	ON	
							21	OFF	OFF	ON	OFF	ON	
							22	ON	OFF	ON	OFF	ON	
							23	OFF	ON	ON	OFF	ON	

No.	SW4	SW5	SW6	SW7	SW8
23	OFF	ON	ON	OFF	ON
24	ON	ON	ON	OFF	ON
25	OFF	OFF	OFF	ON	ON
26	ON	OFF	OFF	ON	ON
27	OFF	ON	OFF	ON	ON
28	ON	ON	OFF	ON	ON
29	OFF	OFF	ON	ON	ON
30	ON	OFF	ON	ON	ON
31	OFF	ON	ON	ON	ON

## 2) Transmitter

Switches for number choice are from No.1 to No.7, and switches for channel choice are from No.1 to No.5.

### Number Choice

	TX No							CH				
No	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW1	SW2	SW3	SW4	SW5
0									under PCB			
1	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
2	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF
3	OFF	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF	OFF
4	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
5	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF
6	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF	OFF
7	OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF	OFF
8	ON	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF
9	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON	OFF
10	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON	OFF
11	OFF	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON	OFF
12	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	ON	OFF
13	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	ON	OFF
14	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON	ON	OFF
15	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	ON	ON	OFF
16	ON	ON	ON	ON	OFF	ON	ON	ON	ON	ON	ON	OFF
17	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON
18	ON	OFF	ON	ON	OFF	ON	ON	ON	OFF	OFF	OFF	ON
19	OFF	OFF	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON
20	ON	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OFF	ON
21	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	ON
22	ON	OFF	OFF	ON	OFF	ON	ON	ON	OFF	ON	OFF	ON
23	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	ON	ON	OFF	ON
24	ON	ON	ON	OFF	OFF	ON	ON	ON	ON	ON	OFF	ON
25	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	ON
26	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	ON
27	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	ON	OFF	ON	ON
28	ON	ON	OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON	ON
29	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON	ON
30	ON	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	ON	ON	ON
31	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	ON	ON	ON
32	ON	ON	ON	ON	ON	OFF	ON	ON	ON	ON	ON	ON
33	OFF	ON	ON	ON	ON	OFF	ON					
34	ON	OFF	ON	ON	ON	OFF	ON					
35	OFF	OFF	ON	ON	ON	OFF	ON					
36	ON	ON	OFF	ON	ON	OFF	ON					

## 6. Check-point when abnormal operation

When this product is operated abnormally, please make inquiries at the A/S or consumer consultation office after checking following points.

<In case of malfunction in the receiver>

1. Numbers are displayed but sound is not working.

Check if sound regulation is setup at minimum and check if the choice switch No.1 of the receiver is turned off.

2. The state of reception is not good.

Regulate the location of an antenna(angle ranges of 0 ° ~45 ° to the direction of the transmitter from the place of the installed receiver, and only the use of the thick side 3-stage antenna).

Transfer the current location of the receiver because it is influenced by surrounding wireless devices.

3. A place is displayed as a call region without the press of call button.

Change the channel of the transmitter and receiver because it could happen in case more than 2 transmitter buttons are pressed at the same time and identical system or similar products are installed in the neighborhood(refer to Clause 3 about the channel change).

<In case of malfunction in the transmitter>

1. In case the light on the top of the transmitter is not turned on : Poor contact of batteries of the transmitter and exchange

2. In case the light is OK but the transmitter is not working : The decrease in the transmission sensitivity or battery problems.

<In case of malfunction in the Repeater>

1. Power lamp is not working : Poor contact of connection wire or disconnection
2. Transmission and receipt are not available : Check the green/yellow lamps under the translator.
3. Receipt is OK when the green lamp is turned on and off, and transmission is OK when the yellow lamp is turned on and off.

## **7. Specification**

1. Power : Max 1.2 W, Normal 0.8 W
2. Input Voltage of Receiver : AC220V, 60 Hz / DC 12V 850 mA ~ 1 A
3. Channel number displayed : 128
4. Channel Quantity : 32
5. Temperture : -10 ~ + 60
6. Transmitter power : DC 12V 33 mA (Alkaline Battery)