

USER MANUAL

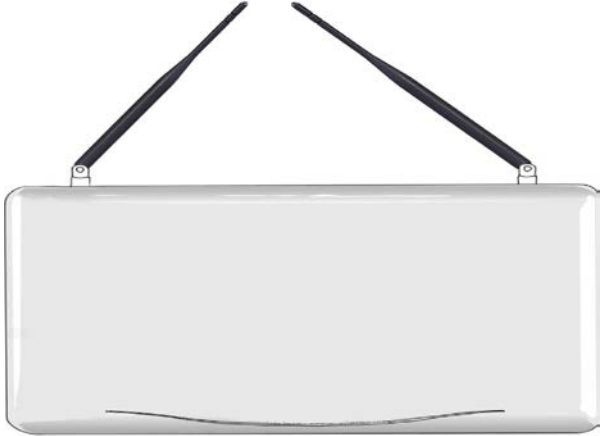
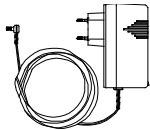
MONITOR
For MCFSCM-1230,



Wireless Call System Components

Modulation	Controller/Main Unit
FASK(FM)	MCFSCM-1230

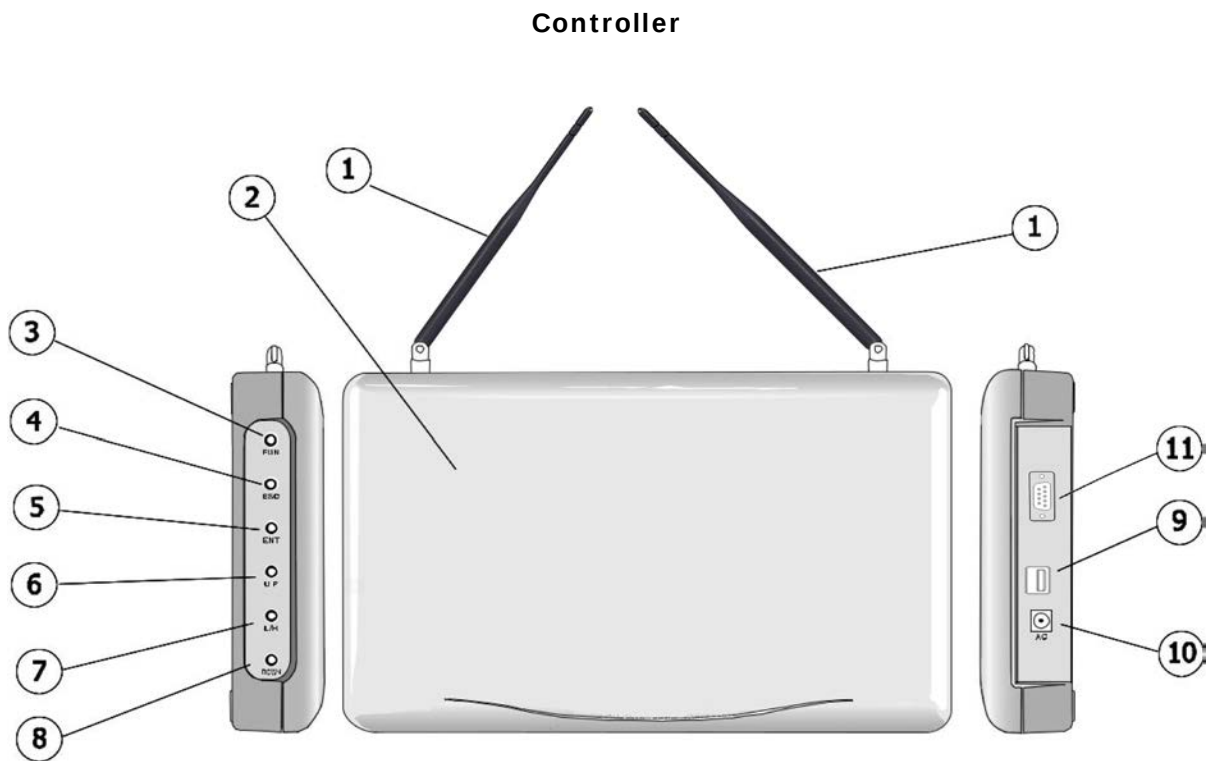
Package Components

Categories	Components
Pager Unit system	
	
AC Adapter	User Manual

Specifications

Receiver and Paging Model		
Shape		
Model	SCM-1230p	
Size	240(W)x142(L)x40(H)mm	
Screen Variations	SCM-1230 (2-digit, 3-panel)	88 ²³ ₄₅
Modulation	FSK(bell-to-Monitor)	GFSK(Monitor-to-Pager)
Frequency	925.7MHz(GFSK)	925.7MHz(GFSK)/429.7MHz(GFSK)
MemoryCapacity	Up to 400 units of Bells	Up to 400 units of Bells
SoundAnnounce	Ring tone	Ring tone
PCRS232c	USB port imbedded.	
Display	FND/Red	
Power	DC12V/1500mA	
Antenna	GFSK Antenna	

Main Unit Layout



The button symbols below are used to identify the six setting buttons

- ① Antenna
- ② FND display
- ③ **FUN** : Function button
- ④ **ESC** : Escape button
- ⑤ **ENT** : Enter/OK button
- ⑥ **UP** : UP button
- ⑦ **L/R** : Move button
- ⑧ **DOWN** : Down button
- ⑨ **USB** : RS-232c Data cable Jack
- ⑩ Power Adapter Jack
- ⑪ **D-Sub**: Management Port

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7.3	Select mode between dummy and register modes.	오류! 책갈피가 정의되어 있지 않습니다.

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7.5	Delete all register bells (Reset).....	오류! 책갈피가 정의되어 있지 않습니다.
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8.8.2	Setting the format of Time Clock	오류! 책갈피가 정의되어 있지 않습니다.
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Warranty

1 History

2 Features

2.1 Add the call bell as cancel bell.

The normal one-button bell(MCFSB-101) can be used as cancel button bell.

It is very useful when the cancel action have to be done not by caller(guest) but by receiver(staff).

2.2 Input the numbers and alphabets of Bells in the Screen

To creating a display ID, you can mix the numbers and/or alphabets.

Ex) 10, c9, A1

2.2.1 Numbers

When you choose a number for bell, display times, and so on, use < Up, > Down, and , Move buttons.

UP button adds one(1) to displayed number. (2digit panel)

Ex) 01 → 02, 03 → 04, 09 → 10, 99 → A0

DOWN button subtracts one(1) to displayed number. (2-digit panel)

Ex) 1 → 0, 0 → 99,

L/R button move the edit digit to left.

2.2.2 Alphabets(letters)

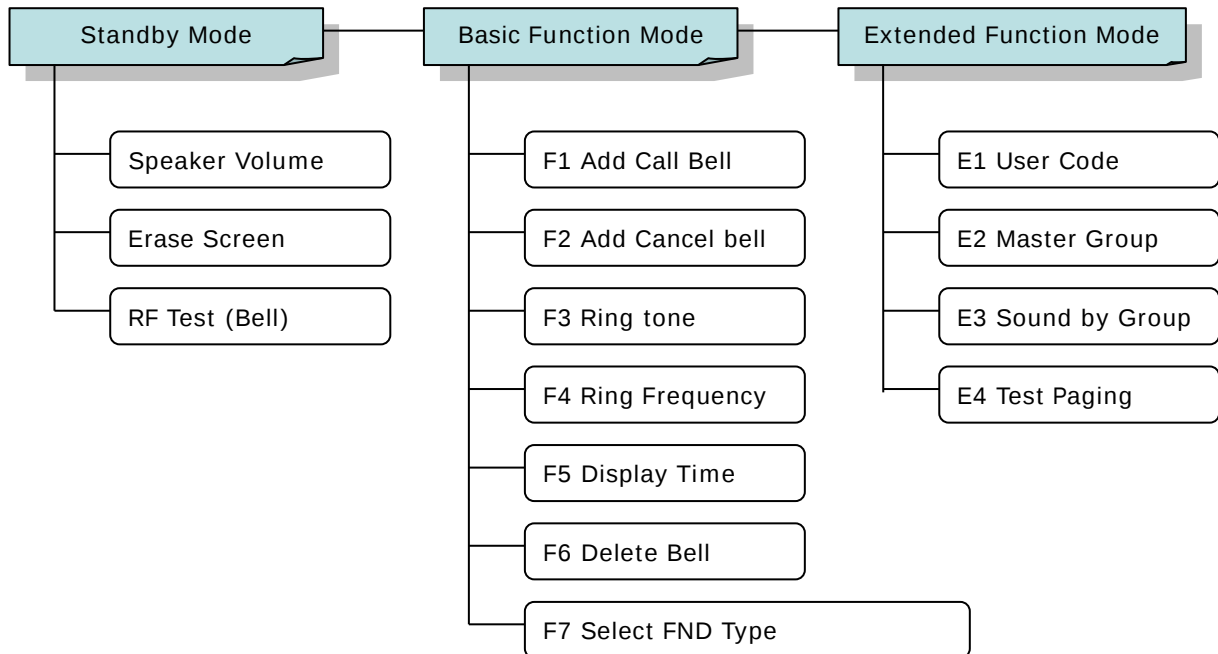
If you press , <> repeatedly, the available and displayable alphabets on the display are as fallows:

A, B, C, d, E, F, H, L, n, o, P, r, U

Note : Only the first left digit can be displayed with the limited alphabet characters.

2.3 Modes

The below is the function Chart.



3 Positioning

The best position for your Controller (Monitor) should be determined primarily by the way that your business operations on a daily basis. The two most important factors to consider are:

- Someone needs to be able to hear it when it alerts to announce a received call.
- It requires constant connection to a mains power socket. The controller does not have internal batteries that can keep it operating through a power cut.
(The length of the power line of the adapter in the package is about 2 to 3 meters.)

3.1 Radio Interferences

For the best results, you should avoid close proximity to:

- Other electrical devices, i.e. TV, computers stereos.
Note: Televisions and computer monitors in particular can interfere with the Smadio System signals and cause unreliable operation. Please ensure that your Smadio System(Controller) is positioned at least 1 meter away from such devices.
- Water tanks and large metal objects.

You should always test a location before you place your Smadio System in its permanent position. For more information, refer to **RF Test** on page 3.

4 Standby Mode

When the Controller is power on by connection with the power socket, it is ready to receive, display or transmit the call's signals.

4.1 Installation and Power On/Off

Connect the included power adapter to Main unit. It is normal if the speaker say as follows;

Welcome to Smadio System. / Ding Dong Dang (before April 2012)

Display is flashing 

There is not any way to switch on/off the controller but connecting the adapter into socket.

4.2 RF Test

This feature allows you to test whether wireless bells send their signals to the main unit. If there is any interference in the location, the main unit can not receive any RF signals. So test all cases if it is possible.

Press	Display	Descriptions
L/R for 3 seconds	RF .	# (mute) - You can test the RF status by pressing any bells. - Flashing dot means that it is ready for receiving Bell's signals.
Press any bells.	OH . RF .	# Ding-dong * - If the main unit successfully receive bell's signals, the speaker say "Ding-dong" and displayed as 'OK' and then the screen goes back the RF test screen. - Repeat to press other bells.
ESC	.	# Welcome to Smadio System - The screen (dot) is blink.

Note : * When the screen displays ok(OK), the predefined alert sounds.

4.3 Adjusting Speaker Volume

This feature allows you to adjust the master speaker volume from 0 level to 10 level. This affects the volume level of sound alert and interactive voice response.

Press	Display	Descriptions
UP or DOWN	02	# Ding (Adjusted Sound Alert) - If you press UP or DOWN in the standby mode, the adjusted sound alerts with already-saved volume level.
DOWN	01	# Ding (with 01 level) - The volume level is 01.
DOWN again	00	# (mute) - Level 0 means the speaker is mute.
UP or DOWN	02	# Ding (level 02) - Select appropriate volume level.
ENT	.	# (mute) - To save the volume level, press ENT and back to standby mode. - If you press ESC buttons, the adjusted volume is not saved.

4.4 Erase /Clear Call Data on the Screen

As any bells can be added as cancel button bell, the only way to erase the sign of call is by pressing the ESC buttons on the main unit. When the ESC button is pressed, sequent call sign is erased.

5 Setting Basic Function Mode

5.1 Access Basic Function Mode

After connecting adapter (standby mode), press and hold FUN button for five (5) seconds to access menu mode.

 Ding

Main unit display shows as **F1**

F1 is displayed as default mode when you enter the function mode.

5.2 Selecting Basic Function Modes

After entering functions mode, you can choose the function mode by pressing UP or DOWN button. If you want set the mode, you enter the mode by pressing ENT button. If not, press ESC button.

Press	Display	Descriptions
FUN	F1	# Ding - Add wireless call bells and set display numbers each bell.
UP	F2	# Ding - Add call bells as cancel bells.
UP Again	F3	# Ding - Select alert sound (ring tone).
UP Again	F4	# Ding - Set the time of alert from 0 to 9 times.
UP Again	F5	# Ding - Set Time-out period of Call number.
UP Again	F6	# Ding - Delete/Remove registered number.
UP Again	F7	# Ding - Reserved for the future usability.
UP Again	F8	# Ding - Select Model Type.
UP Again	F9	# Ding - Select Display Mode.

Note: * Some models manufactured before 2010 do not support this function.

5.3 Adding Call bell

When every bell is added in F1 mode, you should select the group number at first.

Press	Display	Descriptions
FUN	F1	# Ding - In order to add wireless call bells, select the group number and display numbers for each bell.
ENT for 5 seconds	00	# Ding - Choose the group number by pressing UP, DOWN, or ,ESC
UP, ,DOWN	01	# Mute - Push the call bell while the display flushes.
ENT	00	# Mute - The far right letter is blink for showing edit character.
UP, ,DOWN	01	# Mute - Choose the display number by pressing UP, DOWN, or ,ESC - The edit digit continues to blink until new bell is added.
Press any button of call bell	01	# Mute - If adding bell is succeeded, the whole digits blink for 2 times, and do not blink anymore.
UP, ,DOWN	02	# Mute - If you add next bell with same group number, choose the display number by pressing UP, DOWN, or ,ESC - The edit digit continues to blink until new bell is added.
Press any button of call bell	01	# Ding - If adding bell is succeeded, the whole digits blink for 2 times, and do not blink anymore.
ESC	01	# Ding - If you want to change the group number, escape editing display number to edit group number by pressing '.
ESC	02	# Mute - Repeat the above stages for adding bells.
ESC	F1	# Welcome to Smadio System - Escape from selecting numbers of call bells.
ESC Again	.	# Mute - Escape from function mode.

5.4 Adding the one-button bell as cancel bell

This feature make it possible that one-button bell work as cancel bell.

The process is almost same with adding bell.

Press	Display	Descriptions
FUN	F2	# Ding - In order to add wireless call bells, select the group number and display numbers for each bell..
ENT	00	# Ding - Choose the group number by pressing UP, DOWN, or ,ESC
UP, DOWN, ,	01	# Mute - Push the call bell while the display flushes.
ENT for 5 seconds	00	# Ding - The far right letter is blink for showing edit character.
UP, DOWN, ,	01	# Mute - Choose the display number by UP, DOWN, or ,ESC - The edit digit continues to blink until new bell is added.
Press any button of call bell	01	# Ding - If adding bell is succeeded, the whole digits blink for 2 times, and do not blink anymore.
UP, DOWN, ,	02	# Mute - If you add next bell with same group number, choose the display number by pressing UP, DOWN, or ,ESC - The edit digit continues to blink until new bell is added.
Press any button of call bell	02	# Ding - If adding bell is succeeded, the whole digits blink for 2 times, and do not blink anymore.
ESC	01	# Ding - If you want to change the group number, escape editing display number to edit group number by pressing ESC.
ENT	02	# Mute - Repeat the above stages for adding bells.
ESC	F2	# Welcome to Smadio System - Escape from selecting numbers of call bells.
ESC Again	.	# Mute - Escape from function mode.

5.5 Deleting Call bell

Select F6 function mode by referring to 2.2 selecting function mode.

Press	Display	Descriptions
Refer to 2.2	F6	# Ding - Delete added wireless call bells.
ENT	1	# Ding - Choose the number by pressing UP or DOWN. - When you press UP or DOWN, only added numbers can be displayed on the screen regardless of group numbers. (001 -> 1)
ENT Again	2	# Ding - After selecting number, by pressing * button the number can be deleted. - If there are added bells, the next number is displayed.
ENT Again	3	# Ding - Repeat the above process in order to delete another bell.
ESC	F6	# Welcome to Smadio System - Escape from selecting numbers of call bells.
ESC Again	.	# Mute - Escape from function mode and ready for call from bell.

Note : * If you press * for more than 3 seconds, the screen displays 000 and delete all added numbers(bells). If you delete the bell number one by one and when the last added bell is deleted, the screen also display 000 .

5.6 Selecting Alert Sound and Melody

In this mode, you can choose one default melody or voice message for all call numbers. If you want to assign different sounds to every call group, please see “setting call bells by group.”

Press	Display	Descriptions
Refer to 2.2	F3	# Ding. - You can choose one melody or voice alert.
ENT	1	# Ding * - Though the adjusted ring tone is supposed to be alerted, only “Ding” alerts. But if you press UP, DOWN, or , L/R - Choose the melody by pressing UP, DOWN, or , ESC
ENT Again	F3	# Welcome to Smadio System - The number flushes.

Note : the list of alert sound is as follows:

The Alert Sound List

No.	Alert tone / melody	No.	Tone / melody and voice message
01	Ding-dong	11	Ring (Bell Sound Ring)
02	Ding	12	Pling
03	Welcome to Smadio System	13	Ding dong(Chime Bell)
04	Ding-dong (Door bell)	14	Rooster
05	Ding-Ling	15	Buz fade out
06	Industrial Alarm	16	Censor beep
07	Beeeeep (pager beep)	17	Ta-da
08	Drum roll	18	Smadio System (Korean)
09	Cuckoo Clock	19	Come to the desk (Japanes)
10	Siren	20	Bird

. The Alert Sound List before April 2012

No.	Alert tone / melody	No.	Tone / melody and voice message
01	Ding-dong1	11	cock-a-doodle-doo!
02	Ding-dong2	12	Ding-dong3
03	Ding-dong-dang	13	Ding-dong4
04	Clapping	14	Ding-dong5
05	Drum	15	Alarm
06	Melody1	16	Phone bell
07	Papery	17	Come on 1 (Korean)

08	Cuckoo-cuckoo	18	Come on 2 (Korean)
09	Birds song1	19	Come on 3 (Korean)
10	Crow	20	Come on 4 (Korean)

5.6.1 Setting the times of Sound Alert

Press	Display	Descriptions
Refer to 2.2	F4	# Ding - You can choose one melody or one melody with one voice.
ENT	01	# Ding - Choose the times from 0 to 9 by pressing UP and DOWN. - The value of 1 to 9 means to speak it for each time. - The value of zero(0) means mute and no alert. ENT
ENT	F4	# Welcome to Smadio System. - To save the selected value, press ENT button. - If press ESC, the value is not saved.

Note: * In order to set "Mute", you can do it with both F4(zero time of Sound Alert) and zero volume of Speaker.

5.7 Setting Display Configurations

This feature allows you to specify how much time(in second) the call data should be displayed on the screen until the call data is erased. If a value of 0 is used, then the call data will not be erased until the number of calls is over the memory of call lists or canceled.

5.7.1 Set display of call data time out

Press	Display	Descriptions
Refer to 2.2	F5	# Ding - You can set the length of time the display stay on.
ENT	15	# Ding - 15 (seconds) is a default value.
UP, DOWN, ,	15	- Choose the seconds by pressing UP and DOWN. - The value of 1 to 99 means to display it for each second. - But zero (0) means to display numbers until cancel call.ENT
ENT	F5	# Welcome to Smadio System

Note : * Regarding Cancel Call, please see ???.

** If you press ESC, the selected value is not applied (not saved).

5.8 Register Keypad Transmitters

While the normal one-button or three button wireless bell can only send pre-registered call messages to the monitor (SCM-receiver),

The maximum 5 keypad transmitters can be added.

Press	Display	Descriptions
Refer to 2.2	F7	# Ding - You can register the keypad transmitter for sending call messages.
ENT	1	# Mute. - 1 is a default value. - You can add keypad transmitters from 1 to 5.
UP, DOWN	1	- Choose the number by pressing UP and DOWN. - Press the button of keypad transmitters which you want to add.
ENT	F7	# Welcome to Smadio System

5.9 Select Model

Press	Display	Descriptions
Refer to 2.2	F8	# Ding. - You can set the length of time the display stay on.
ENT	02	# Ding - 02 means SCM-1320. - You can choose the number between 01 and 02.
UP, DOWN	01	# - Mute. Choose the number by pressing UP and DOWN.
ENT	F8	# Welcome to Smadio System

Note : Please do not set this Function.

6 Setting Extended Mode

6.1 Access Extended Function Mode

In the Standby Mode, press and hold & button for five (5) seconds to access Basic Function Mode. And push and hold & button again for five (5) seconds.

6.2 Setting User Code

User code is used for paging system, so if user does not use pager, please do not set this menu. If user use pager, please set the appropriate number after counseling local dealers and refer to User Code 8.9.3 User Code in page 오류! 책갈피가 정의되어 있지 않습니다. .

Press	Display	Descriptions
Refer to 6.1	E1	# Ding - You select User code.
ENT	01	# Ding - The adjusted or default User code is displayed. - Choose the user code from 1 to 15 by pressing UP, DOWN, or , ESC
*	E1	# Ding

6.3 Setting Master Group Number (it is not used any more)

You set master group number in order to set cap codes of Pager Unit Receiver and pager.

Press	Display	Descriptions
Refer to 6.1	E2	# Ding. - You select User code.
ENT	00 01	# Ding. - The adjusted or default User code is displayed. - Choose the user code from 00 to 69 by pressing UP, DOWN, or , ESC
ENT	E2	# Ding.

6.4 Selecting Ring tone for each group numbers.

You can set the ring tone for each group numbers to announce each group calls.

Press	Display	Descriptions
Refer to 6.1	E3	# Ding. - You can select alert sound for each group number.
ENT	00 01	# Ding - You can choose any group number by pressing <, > or , .
ENT	01	# Ding - You can select the ring tone from 01 to 20. -
ENT	01	# Ding. - Return to Group number
ENT	03	# Ding-dong. - If you want to set another group number's sound, repeat the above steps.
ESC	E3	# Ding

6.5 Testing Pager/

You can test whether the controller can send messages to pagers.

Press	Display	Descriptions
Refer to 6.1	E4	# Ding. - You select User code.
ENT	1 ... 99	# Ding dong (adjusted sound) - The number shows group number with blink. - While the number is increased one by one, the pager can receive test message with each number.
ENT	E4	# Ding-dong -

FCC 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 of the device.

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.