

Guest Pager User's Manual

2012년 03월 16일

Contents

1. Components	.....	3
2. Instructions	.....	3
2.1 Installation	.....	3
2.2 Operations	.....	3
2.3 Before Use	.....	4
3. Caution	.....	4
4. Transmitter Instruction	.....	5
4.1 Keypad Description	.....	5
4.2 Paging Instruction	.....	5
4.3 Preference	.....	10
4.4 Other Features	.....	17
5. Description of Coaster	.....	20
6. Description of Staff Pager	.....	21
6.1 Menu	.....	21
6.2 Button Configuration	.....	22
6.3 Functional Description	.....	23
7. Care & Maintenance	.....	24

1. Components

※ Actual product might be different from the picture below.



Transmitter



Transmitter
A/C Adaptor



Antenna



Coaster



Coaster Base



Coaster
A/C Adaptor



User's Manual



Staff Pager (optional)

2. Instructions

2.1 Installation

- Connect Antenna in to Transmitter.
- Connect Transmitter A/C Adaptor in to Transmitter
- Connect Transmitter A/C Adaptor in to power outlet.
- Connect Coaster A/C Adaptor in to Coaster Base.
- Connect Coaster A/C Adaptor in to power outlet.
- Stack Coasters on top of Coaster Base.
- Add AAA battery in to Staff Pager.

2.2 Operations

- Coaster and Staff Pager will work once registered to the Transmitter.
- **Coaster cannot be programmed or paged unless pager is removed from the Coaster Base.**
- All the key functions can be used by adding an external USB keyboard on to the Transmitter.
- Staff name and/or message input must be via USB keyboard.
- **Transmitter A/C Adaptor must be connected in order to use USB keyboard and must click space button on the transmitter to start.**
- SPACE & DEL key can be used as an up/down key from the Menu List.
- **Number key or Long key can be used from the Menu List for quick move.**
- Capable of handling up to 999 Coasters & Staff Pagers.

※Note : To save data, information can not be saved in "Low Battery" condition. We highly recommend that the A/C Adaptor is connected while the Transmitter is in use.

2.3 Before Use

- Follow the "Instructions" on page 3 to set up the equipments.
- If coaster is not registered please refer to page 11,1-6 "Pager Registration".
- Registration of Staff Pager is the same as Coaster but must use PIN #900 – #999 in order to add staff name.
- To register staff name on the staff pager, refer to page 12, 1-8 "Staff Name".
- To save canned message, refer to page 12, 1-10 "Canned Message Setting"
- Once registration is done, refer to page 5, 4.2 "Paging Instruction"

3. Caution

3-1 . Safety Caution

Use products safely to prevent any unexpected accidents in advance.



Warning

- Do not disassemble, repair, or modify.
- Avoid direct heat.
- Be sure to connect antenna before connecting to power.
- Do not plug or unplug with wet hands.
- Do not use if cord or plug appears to be damaged.

* Connect to a properly grounded outlet only.



Caution

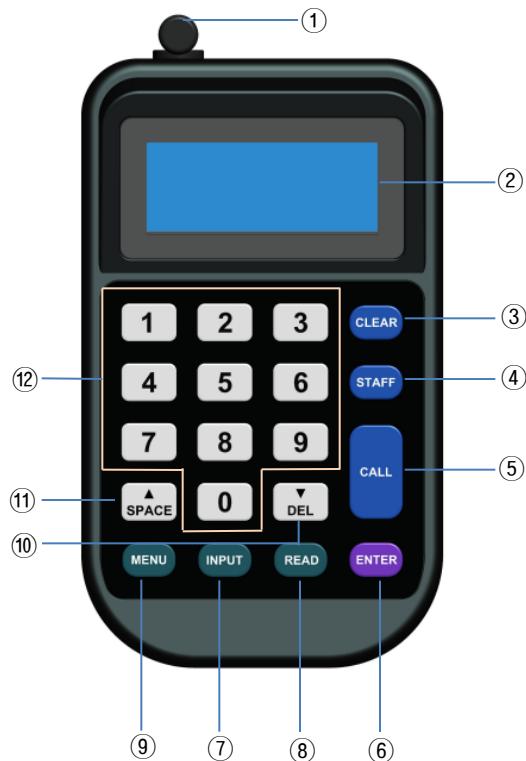
- Only use provided adaptor.
- Avoid humid and dusty area.

* Place Transmitter on a solid surface and treat it carefully.

- Avoid strong magnetic field.
- USB connector on the transmitter is for USB Keyboard only.

4. Transmitter Instruction

4.1 Keypad Description



⑨ : MENU : Menu Entry

⑩ : DEL : Deletes the last entered character
(use as down arrow key on the menu list)

⑪ : SPACE : Use as hyphen in group calling
(use as up arrow key on the menu list)

⑫ : Number Keypad : Input numbers

4.2 Paging Instruction

Enter all calls from the main screen



Main Screen

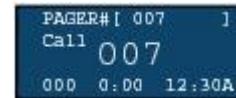
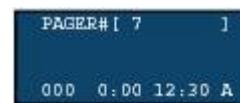
Number of Wait Count
Estimated Wait Time
Current Time

※ It will automatically go back to main screen if no input has been made from the menu or the sub-menu screen for 5 minutes.

1. Individual Calls

1-1. General Call

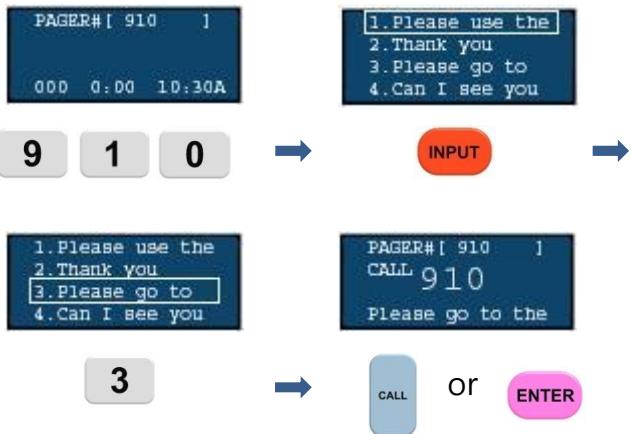
- calling one Coaster and/or Staff Pager
ex) calling coaster #7



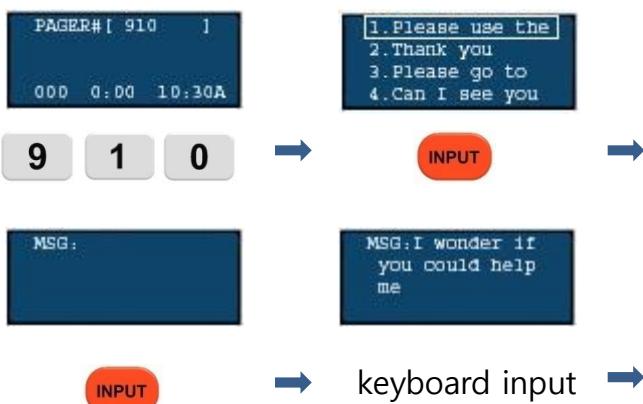
- ① : Antenna : Wireless transmission/reception antenna
- ② : LCD Display : Displays menu, status & input key
- ③ : CLEAR : Clears screen/back to previous menu
- ④ : STAFF : Check registered staff
- ⑤ : CALL : Paging
- ⑥ : ENTER : Complete menu selections and settings
- ⑦ : INPUT : Select or input messages to page
- ⑧ : READ : View call, message call, wait list & registered list

1-2. Sending Message (Staff Pager)

- using a canned message in the Transmitter
ex) calling Staff Pager #910 by using canned message #3



- text message
ex) calling Staff Pager #910 by inputting new message via USB keyboard



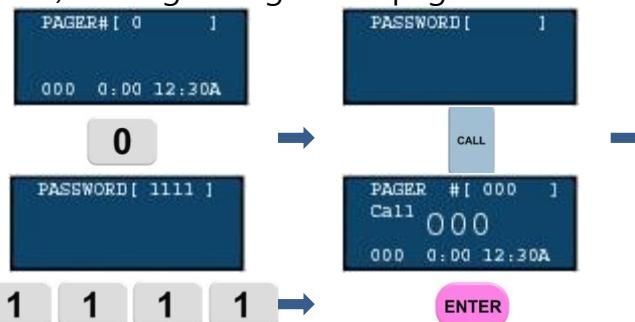
PAGER# [910]
CALL 910
I wonder if you

CALL or ENTER

- ※ Staff Pager must be registered between 900 to 999 in order to assign names.
- ※ USB keyboard must be connected to the Transmitter in order to input characters.
- ※ To use USB keyboard press **SPACE** key on the Transmitter before typing.

1-3. Call All Pagers

- calling all registered Coasters and Staff Pagers at once.
- can be used in emergency
ex) calling all registered pagers

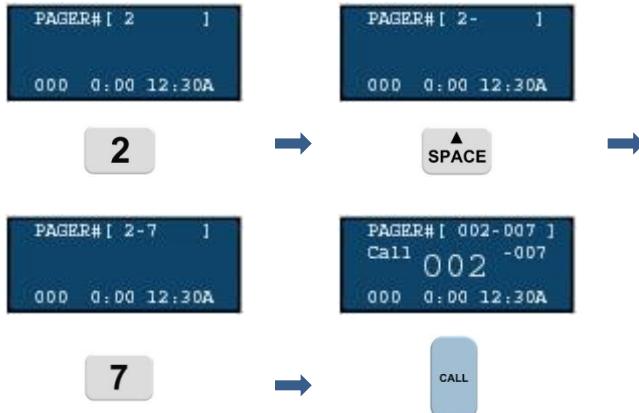


- ※ All registered Coasters & Staff Pagers receives calls.
- ※ All calls including message can be sent by pressing 0 and follow step 1-2 (Sending Message).
- ※ use user password (default 1111).

2. Group Calls

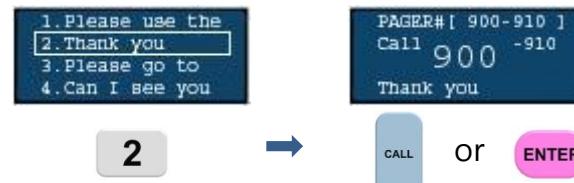
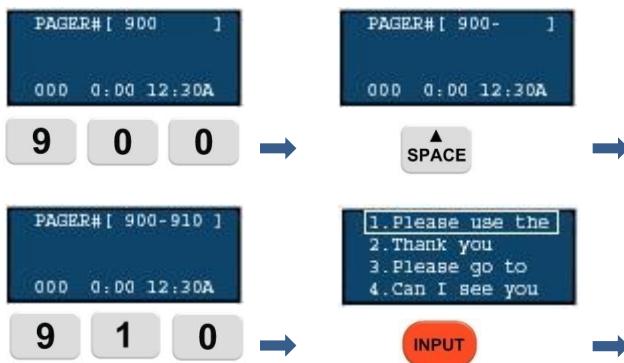
2-1. General Group Call (Coaster & Staff Pager)

- calling consecutive numbers at once
- ex) calling Coaster #2 thru #7



2-2. Group Message Call (Staff Pager)

- calling consecutive number of Staff Pagers by entering same messages.
- ex) calling Staff Pager #900 thru #910 by using canned message #2



- USB keyboard input method is same as page 6(1-2).

3. Re-Call

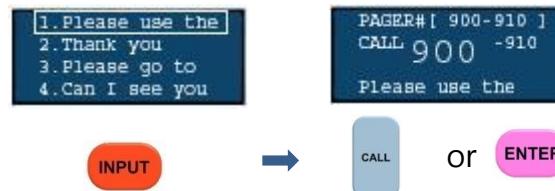
3-1. General Re-Call

- re-call last called number/group
- press call button to bring last called number
- ex) re-calling last called #7



3-2. Send a New Message by Re-Calling (Staff Pager)

- sending a new message to last called number/group
- ex) sending a new message #1 to a last called number



※ Canned/text messages can be only sent to the Staff Pagers. Please check registered Staff Pager number before calling.

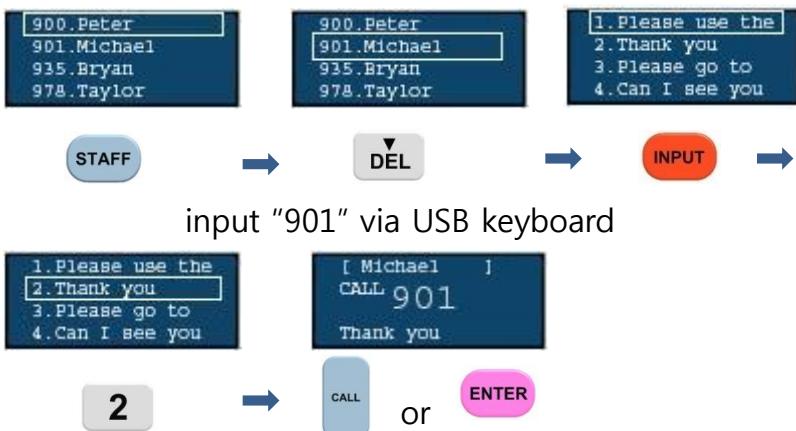
4. Staff Calls (when Staff Pager is Registered)

4-1. General Staff Calls (same as individual calls) ex) calling registered Staff Pager #900



4-2. Call Staff Pager Using Canned Message

a. using staff menu & input key
-calling after checking staff name and a message contents.
ex) calling Michael who is registered to #901 by selecting #2 canned message

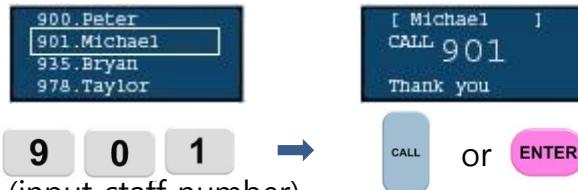


※ Staff name is not case sensitive.
※ Registered name can be found by typing the name.

b. using staff menu & canned message number
ex) calling Michael who is registered to #901 by selecting #2 canned message



(input canned message number)

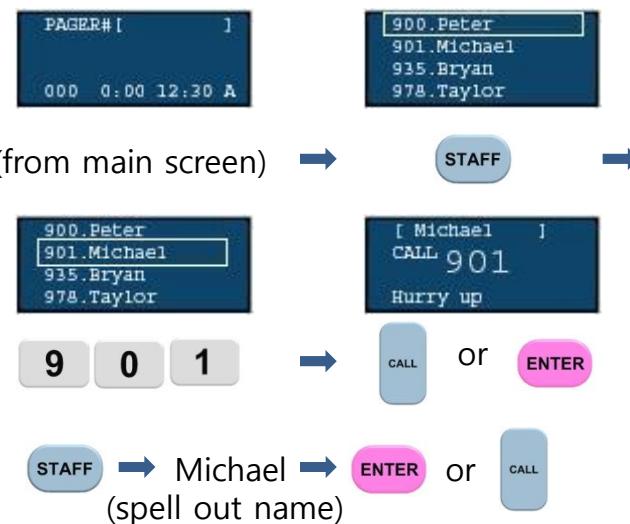


※ In this case, a staff pager must be registered between 900 -999 with staff name. Also, canned message must be registered.

4-3. Calling Staff Pager Using Frequently Used Canned Message

ex) calling registered Staff Pager #901

- ※ Frequently used canned message needs to be registered on #10. If message is not selected, #10 will be automatically selected.
- ※ #10 message will be selected for group calls too.
ex) "Hurry up" is registered on #10



Using up & down arrow instead of inputting numbers.



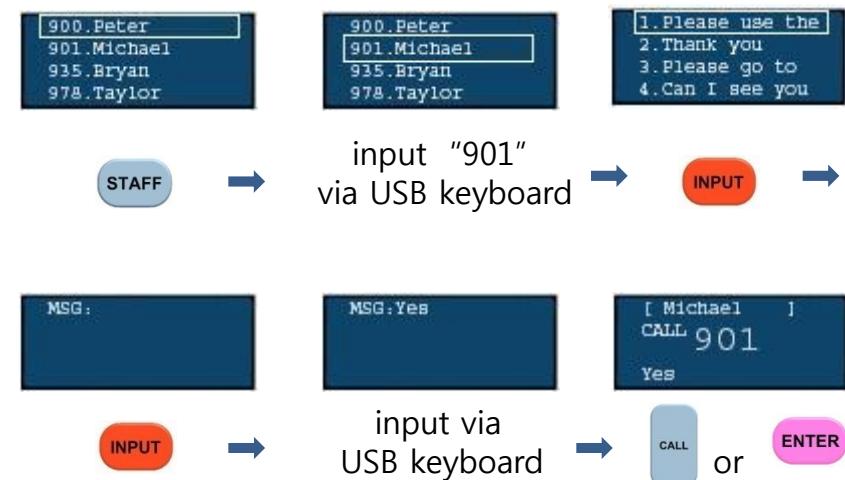
※ Number, alphabet and arrow key can be used for search.

- ※ When duplicate names are used, no combination of numbers and alphabets can be used.
ex) Michael 1 (x)
Michael H (o)

4-4. Call Staff Pager by Text Message

- calling staff pager without using canned message

- ex) calling Michael who is registered to #901 by inputting a new message "Yes" via USB keyboard



※ up to 50 characters can be entered.

4.3. Preference

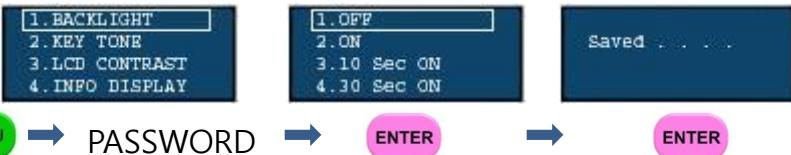
1. User Menu

Use up /down (SPACE/DEL) keys to check menu and use Enter key for setting.

CLEAR key is used to get back to the previous menu.

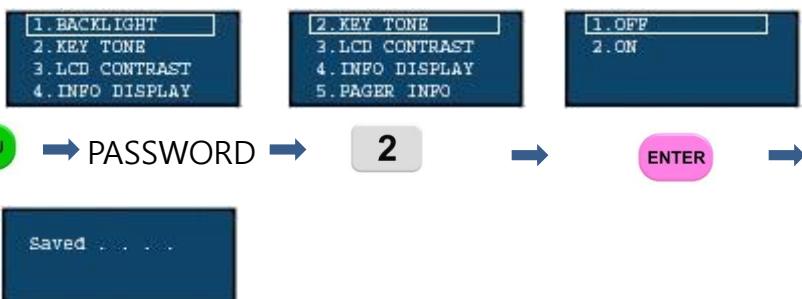
1-1. BackLight On/Off

- BackLight On/Off on LCD screen.



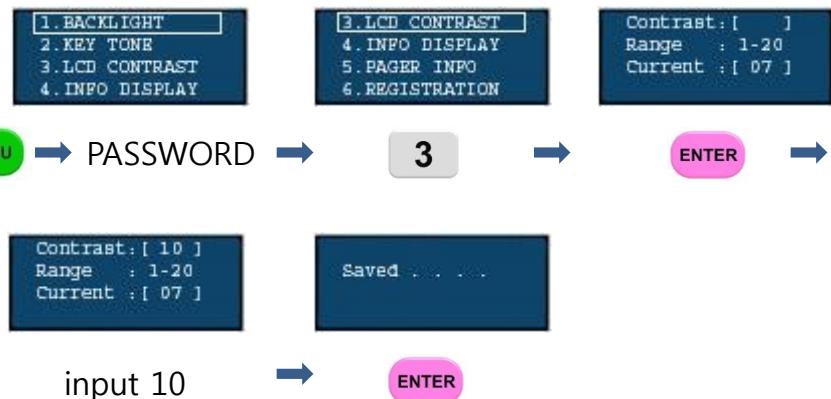
1-2. Keytone On/Off

- It will beep when key pad is pressed or when pagers are programmed correctly.



1-3. LCD Contrast Setting

- Adjust contrast of LCD on the Transmitter
ex) set contrast to 10



1-4. Transmitter Information

- Shows the information of the Transmitter.



1-5. Coaster & Staff Pager Information

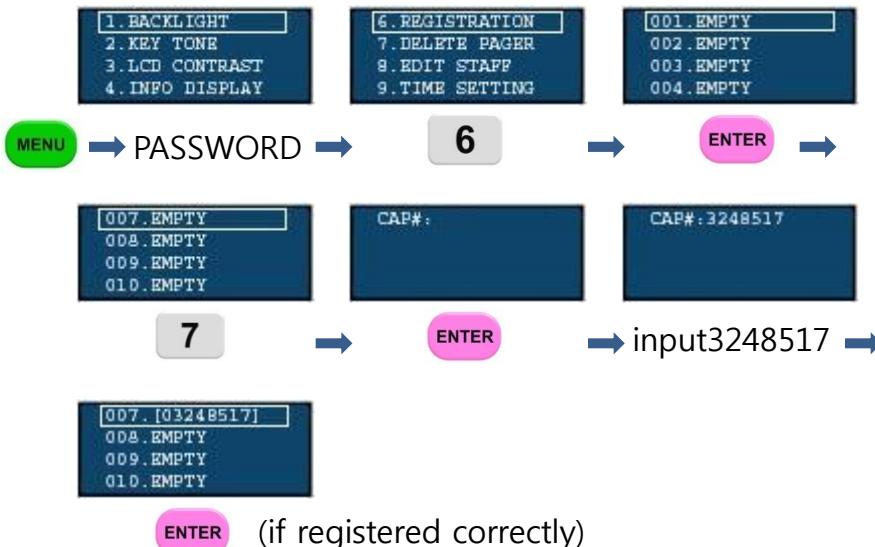
- Displays Coaster and Staff Pager information.



1-6. Coaster/Staff Pager Registration (Adding Pagers)

- Coaster must be removed from the Coaster Base to start programming.

ex) program a Coater pager #7 with capcode 03248517



※ Each Coaster and Staff Pager contains individual capcode on the back of the pager.

※ "Empty" will display if not registered correctly. "Empty" will display if re-programming is not done correctly on a previously programmed pager.

※ If registered correctly, you will hear a buzzer sound.

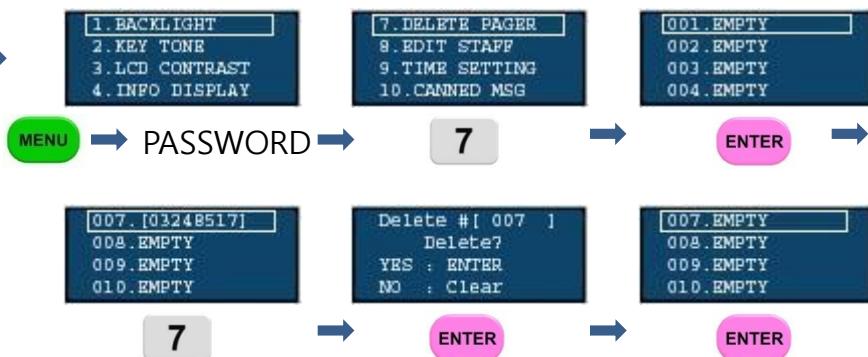
※ Error will appear if wrong capcode is registered.

※ If you are registering the device that has been registered, it will ask to delete the existing registration before re-registering the same pager. In this case, staff name associated with existing number will be discarded.

1-7. Delete Coaster/Staff Pager Registration

- To delete existing registered number. Remove Coaster from the Coaster Base.

ex) deleting existing registration of the coaster #7



※ Only previously registered unit can be deleted.

※ Registration will remain if not deleted correctly.

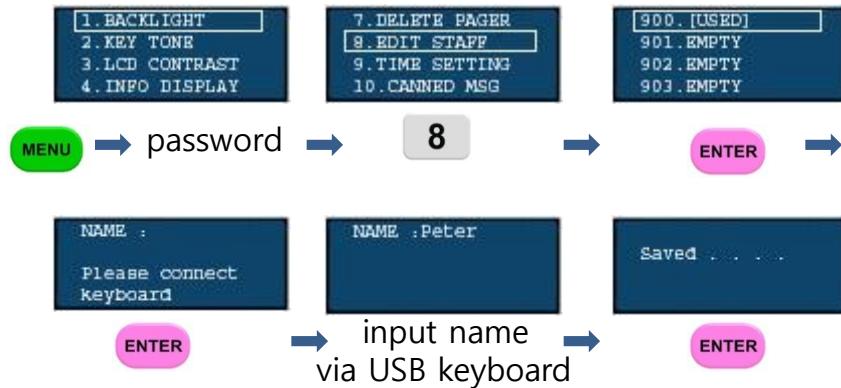
※ If deleted correctly, you will hear a buzzer sound.

※ Staff name will be deleted if pager is replaced/updated.

1-8 Staff Name Setting

- Assigning staff name on a registered Staff Pager
ex) assigning "Peter" to registered staff pager #900

※ Staff Pager must be registered and [USED] will appear if registered correctly. [EMPTY] will appear if not registered.



※ Staff name will appear on the staff pager LCD screen when registration is complete. (up to 9 characters)

※ Staff name can be assigned between 900 ~ 999 on registered staff pagers.

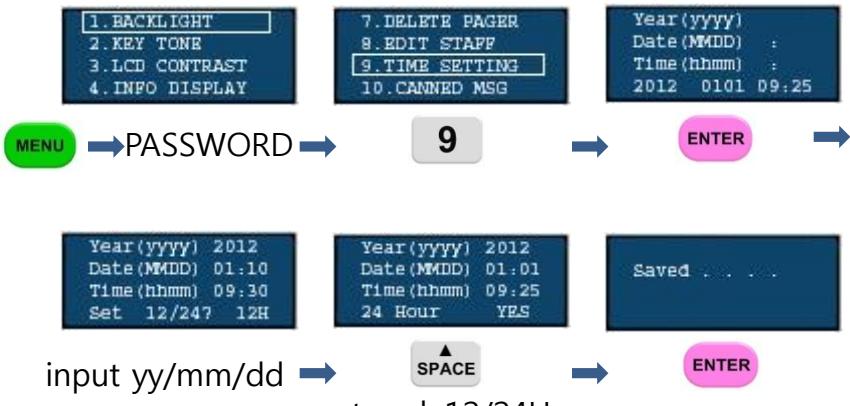
※ Staff name will be deleted if pager is replace/updated.

※ When duplicate names are used, no combination of numbers and alphabets can be used.

ex) Michael 1 (x)
Michael H (o)

1-9 Time Setting

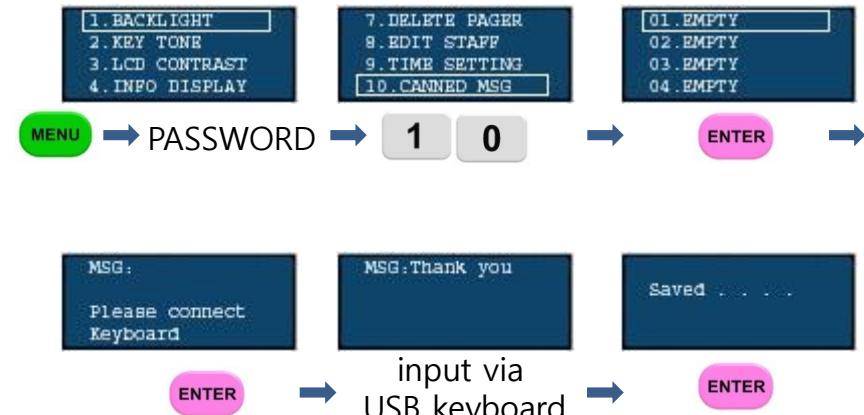
- To set year, month, day and time



※ If time is set on the Transmitter, it will automatically set time on the Staff Pagers.

1-10 Canned Message Setting

- To set Canned Messages.
ex) setting message #1 as "Thank you"

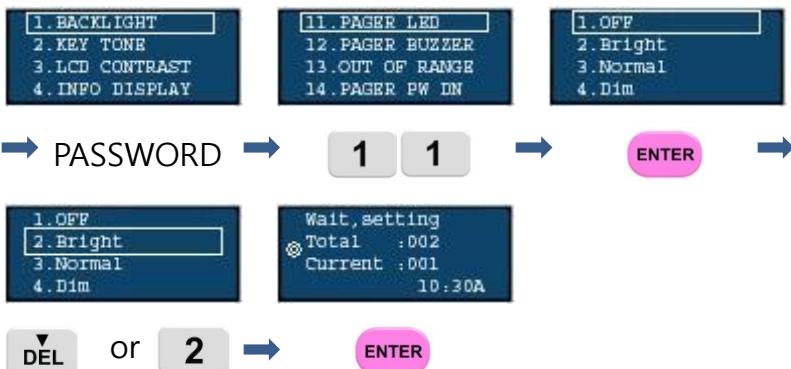


※ Up to 10 different canned messages can be saved.
Message #10 will automatically used if no message is selected. (will be used as the frequently used message)

2. Manager Menu

2-1 Coaster LED Setting

- Ability to set LED brightness on the Coaster
ex) setting LED to "Bright" on all registered pagers



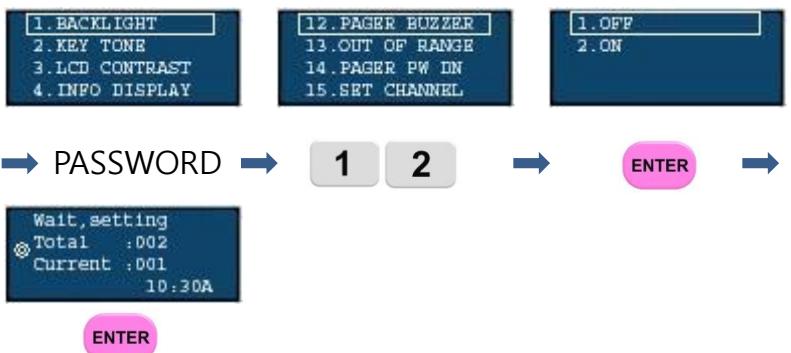
Total : total registered Coaster quantities

Current : current set quantities

- ※ Each pager will register individually. A dot on the left side of the LCD will keep flashing while setting.

2-2 Coaster Buzzer Setting

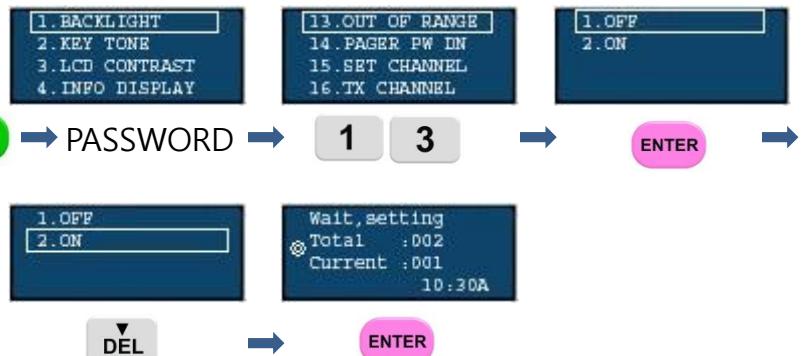
- Allows to set buzzer on/off.
ex) set buzzer off



2-3 Out of Range Setting

- To Alert when pager is out of range of the Transmitter

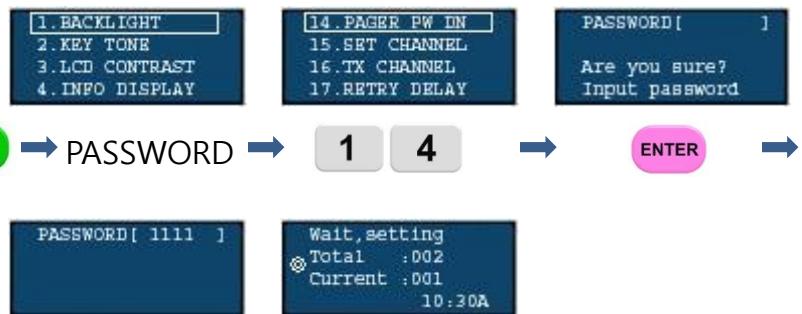
ex) set "OUT OF RANGE" on



※ Alert will go off if pager is taken out of range of the Transmitter.

2-4 Coaster/Staff Pager Power Down

- setting pager power off

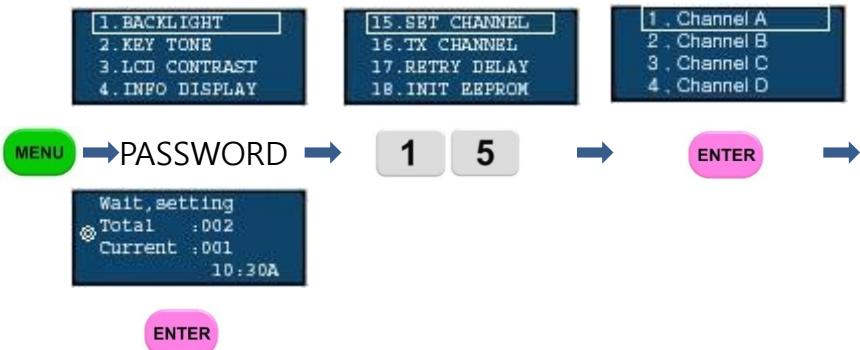


input User password → ENTER

※ "Power Downed" Coaster will go back to normal operation once put on the Coaster Base.

2-5 Channel Setting

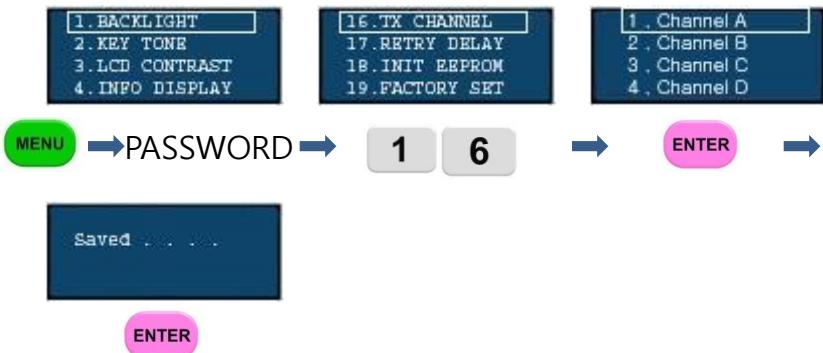
- Set channel on Transmitter, Coaster and Staff Pager
ex) setting to Channel A



- ※ Each pager will register individually. A dot on the left side of the LCD will keep flashing while setting.
- ※ If there's no communication between the Transmitter and pager, the Transmitter channel can be reset from the menu (see 2-6 TX Channel Setting)
- ※ Transmitter & Pager default channel: Channel A

2-6 TX Channel Setting

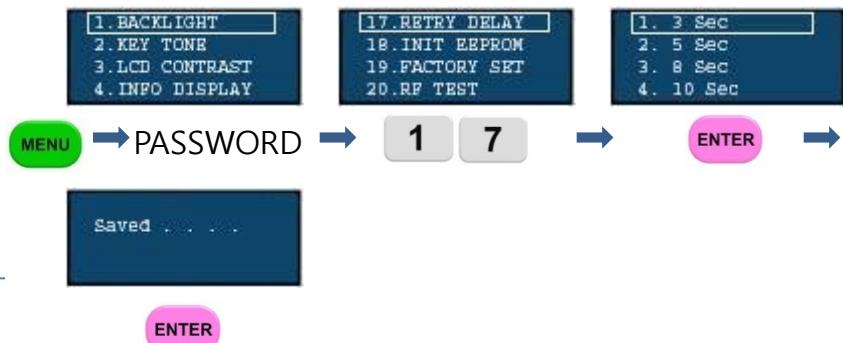
- Change channel on the Transmitter only
ex) change Transmitter channel to "Channel A"



2-7 Retry Delay Setting

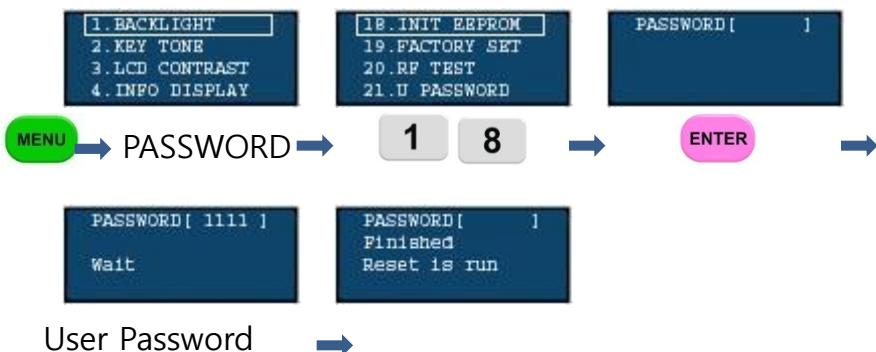
- Ability to adjust Retry Call time to prevent interference of using multiple Transmitters.

ex) Retry call is set to call after 3 seconds of the call



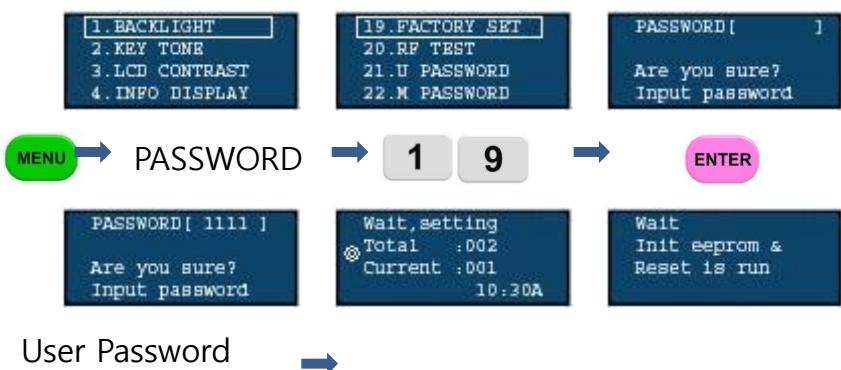
2-8 INIT EEPROM

- Initializing all stored memories of the Transmitter



2-9 FACTORY SET

- Re-set to factory setting



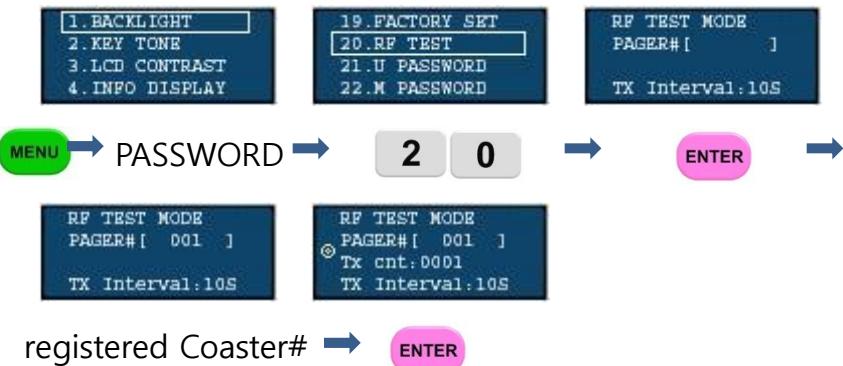
※ Only applies to the registered pagers and if there's no registered pagers an "Error" will display.

※ Difference from the 2-8 is that it applies to both Transmitter and registered pagers. If at least one doesn't receive, it won't reset to factory mode.

2-10 RF TEST

- Ability to call interval of 10 seconds in order to test distance between the Transmitter and the pagers.

ex) testing with the registered coaster #1



※ RF Test can be done for 2 hours if the Transmitter's output power is set on 10mW or for 10 minutes if set on 100mW or 2W.

※ Only **CLEAR** button can be used while testing.

Use **CLEAR** button to cancel.

2-11 Password Setting for Users

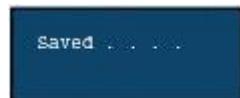
- Ability to set user's password

ex) set to 1111





User password → → re-enter →

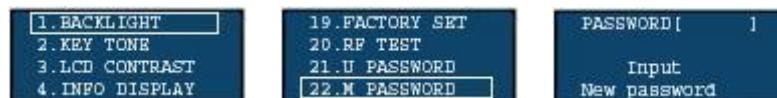


ENTER

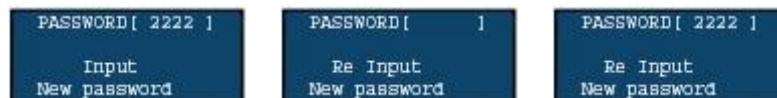
※ Default password is set to 1111.

2-12 Password Setting for Manager

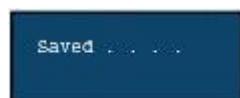
- Ability to set manager's password.
ex) set to 2222.



MENU → PASSWORD → 2 2 → ENTER



Manager password → → re-enter →



ENTER

※ Default password is set to 2222.

4.4. Other Features

1. Waiting Count & Waiting Time

1-1 Shows List of Waiting Count

- Ability to count number of waiting customers
- Automatically shows registered Coaster number to the Transmitter when picked up from the Coaster Base to give to a customer.

ex) When Coaster #7 is picked up from the Coaster Base.



remove Coaster from
Coaster Base

※ To prevent conflict on auto display of registered Coaster number to the Transmitter, the Coaster is set to 2 – 5 seconds randomly. **It is recommended to remove one Coaster at a time from the Coaster Base.**

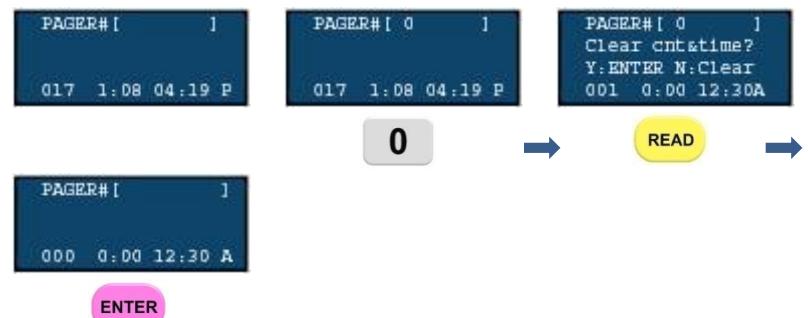
1-2 Waiting Time

- Displays estimated wait time
- ex) customer's waiting time was 15 minutes.



1-3 Initializing Wait Time & Waiting Count

- Ability to initialize wait time and number of waiting people manually.



※ It will automatically initialize, once all the Coasters are mounted on the Coaster Base without being used for 2 hours

1-4 Wait List & Wait Time View

- Ability to see wait list & wait time for each customer.



※ Shows up to 150 wait list.
※ Wait list will initialize once the Transmitter's power is off or reset.
※ Customer can be called from the wait list by using **CALL** button.

2. Call & Message Call List

2-1 Displays Call List (Coaster & Staff Pager)

- Shows call time and registered Coaster number which was paged.



※ Shows up to 150 called list.

It will automatically delete oldest call list once the list reaches 150 to show latest call list.

※ Call list will initialize once the Transmitter's power is off or reset.

2-2 Display Message Call List (Staff Pager)

- Shows call time and registered pager number which was paged to the Staff Pager.



※ Shows up to 150 Message Called List.

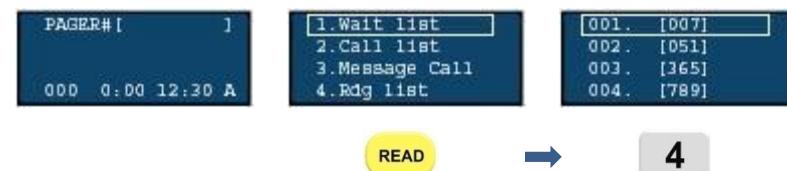
It will automatically delete oldest message once the list reaches 150 to show latest messages.

※ Message Call list will initialize once the Transmitter's power is off or reset.

3. Registration List

3-1 Displays Registration List

- Ability to show currently registered Coaster and/or Staff Pager.



4. USB Keyboard Functions

4-1 USB Keyboard Input Functions

- All the key functions can be used by adding an external USB Keyboard in to the Transmitter.
- Staff name and/or message input must be done via USB Keyboard.
- Must click space key in the Transmitter from the main screen to start USB keyboard.
- Number button can be used from the Menu List screen. Also PgUp & PgDn button can be used. Long Key can be used from the Transmitter keypad.

Key Mapping

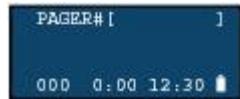
F1 : CALL	ESC : CLEAR
F5 : STAFF	Enter : ENTER
F8 : READ	'-' : SPACE
F9 : INPUT	Backspace : DEL
F12 : MENU	↑, ↓ : SPACE, DEL

※ Note :Transmitter A/C adaptor must be connected to use USB Keyboard.

5. Low Battery Indicator

5-1 Low Battery display

- Displays when there's not enough battery power.



※ **Note : Call cannot be made in Low Battery mode and setting will not be saved.**

※ Internal battery is to support temporary use in case of power loss only.

Recommended to use with the A/C adaptor connected..

5. Description of Coaster

1. Register

- Coaster must be registered to Transmitter. It will not receive if not registered.
(see page11, 1-6 "Coaster/Staff Pager Registration")

2. Receiving Call

- LED, vibrate or buzzer alert will go off depending on setting
- (see page 13, 2-1 "Coaster LED Setting" & 2-2 "Coaster Buzzer Setting")
- It will alert until coaster is back on the Coaster Base

3. Out of range

- Occurs when the Coaster is Out of range of the Transmitter
(see page 13, 2-3 "Out Of Range Setting")
- Displays "OUT" on the screen and vibrate & buzz alert periodically
- Automatically turns alert off when the pager is within range
- Turn alert off when pager is back on the Coaster Base

4. Power Down

- Function to turn power off when not in use
- (see page 13, 2-4 "Coaster/Staff Pager Power Down")
- Back to normal operation once put back on the Charger Base

5. Factory Set

- Initialize Coaster from the Transmitter
(see page 15, 2-9 "Factory Set")

6. RF Test

- Check receiving range
(see page 15, 2-10 "RF Test")
- Response to periodically sent message from the Transmitter
- LED &Buzzer Alert when message received

7. Low Battery

- Vibrate when removed from the Charger Base
- Blinking LED

8. PIN Display

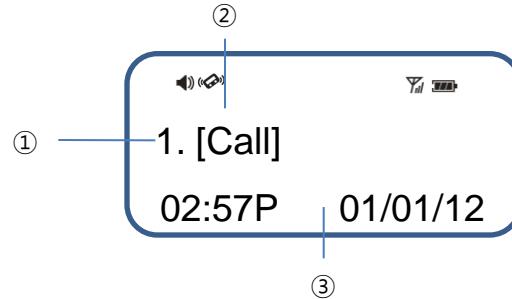
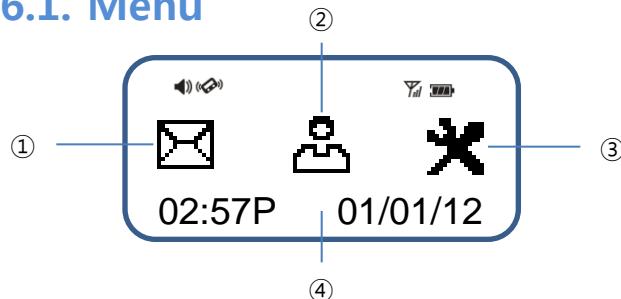
- Displays PIN when registered
- Displays "999" when abnormal message is received
- Displays "OUT" when our of range

9. Charging Indicator

- Right LED light comes on if fully charged on the Charger Base
- Left LED light comes on if not fully charged on the Charger Base
- Left & right light comes on for Low Battery while in use

6. Description of Staff Pager

6.1. Menu



Indicators

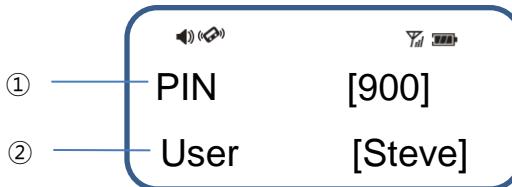
	Audio Alert		In Range or Out Range Indication
	Silent Alert (Vibration)		Full Battery Status
	New Page or Unread Message Indication		2/3 Battery Status
	Power On		1/3 Battery Status
	Message Continuation		Low Battery Status

1. Main Menu

- ① [Inbox] : Menu to check received message
- ② [INFO] : Check PIN & User Name
- ③ [Config] : Set alert type, date, power down
- ④ Date : Display time and date

1.1 [Inbox]

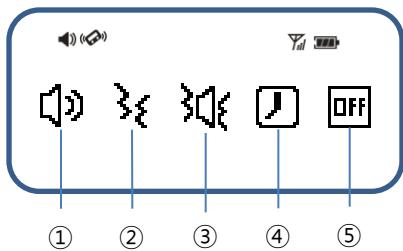
- ① Index : The order of message received
- ② Message : Received message
- ③ Date : Received date & time



1.2 [INFO]

- ① PIN : Registered number on the Transmitter
- ② User : Registered staff name on the Transmitter

6.2. Button Configuration



1.3 [Config]

- ① Beep : Buzzer Alert
- ② Vibration : Vibrate Alert
- ③ Beep+Vibration : Buzzer and Vibrate Alert
- ④ Set Time : Time setting
- ⑤ Power Down : Power off



2.1

- Use to move left and right
- Use to navigate through the menu

2.2

- Use to go back to previous menu

2.3

- Use to adjust time on "Set Time"
- Use to check message
- Use to complete setting
- Press for 5 seconds to put power on from the Power Down mode

6.3. Functional Description

1. Register

- Staff Pager must be registered to Transmitter. It will not receive if not registered.
- (see page11, 1-6 "Coaster/Staff Pager Registration")
- Displays PIN from the [INFO] menu

2. User Name Setting

- User name can be set from the transmitter via USB keyboard (see page 12, 1-8 "Staff Name Setting")
- Displays User from the [INFO] menu

3. Call / Message Receiving

- Vibrate and/or Buzzer occurs depends on setting (can be set from the [Config] menu)
- Press any button to stop vibrate/beep while during incoming call
- Received message can be checked from the [Inbox]
- New message icon display on top of the screen. It will disappear if message is read or  is pressed while receiving a call

3. Out of range

- Occurs when the Staff Pager is out of range of Transmitter (see page 13, 2-3 "Out Of Range Setting")
- Enable the Out of Range Icon on top of the screen () when out of range
- Automatically turns off when the pager is back in range
- Periodically alerts when out of range

4. Power Down

- Function to turn power off when not in use
- Power Down setting from the [Config] menu
- Back to normal operation when  is pressed for 5 seconds

5. Factory Set

- Initializing staff pager from the transmitter (see page 15, 2-9 "Factory Set")

6. RF Test

- Check receiving range (see page 15, 2-10 "RF Test")
- Response to the periodically sent message from the Transmitter
- Saves as "Test Message" in [Inbox]

7. Low Battery

- Low Battery Alarm
- Periodically displays "Low Battery" on the screen
- Displays  icon when Low Battery

7. Care & Maintenance

User Information

Operation is subject to the following two conditions:

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with Part 15 of the FCC Results.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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 correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

"CAUTION: Exposure to Radio Frequency Radiation.

Antenna shall be mounted in such a manner to minimize the potential for human contact during normal operation. The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.