User's Guide

SP7-100

SÔLT

- ■ Thank you for purchasing Solt wireless calling system products.
- ■ Please read this user's guide carefully before using and follow the instructions.
- ■ Specification and instructions are subject to change without notice.

Contents

Specification

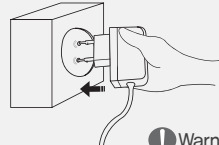| Model	SP7−100
Frequency (MHz)	433.0500 ～ 434.7900
Freq Stability	±5 ppm
Data Rate	1800 bps
Channel space	12.5 KHz
Modulation	FSK (±3KHz)
Sensitivity	−118dBm (at Direct)
Power Supply	DC 3.7V/250mA Li−Polymer Battery (Rechargeable)
Dimension (mm)	37W × 49L × 13.5H
Standby Time	about 30 hours
Antenna	Helical (Internal)

Important Safety Instructions

Safety Instruction contains the information to prevent the unexpected risk or damage in advance by using the product in correct way and it should always be observed all the times.
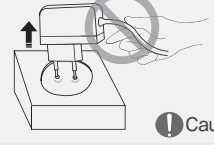
⚠ Warning This is for the case with the possibility of serious injury or death if this is not observed.

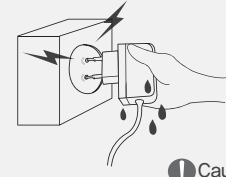⚠ Caution This is for the case with the possibility of minor injury or damage to the product if this is not observed.

Power precautions

⚠ Warning
Be sure to insert the power plug to the end of the inner part.
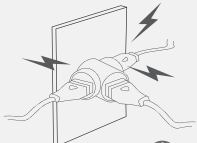[If the connection is unstable, it may cause fire.]

⚠ Caution
Be sure to unplug the power plug while holding it firmly. If cord is unplugged by pulling out, some parts of the cord can be disconnected and it may cause risky situation. [It may cause fire.]
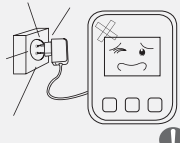

⚠ Caution
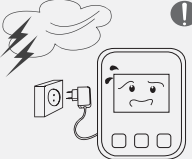Do not touch the power plug with wet hand.
[There is a risk of electric shock.]

⚠ Warning
Do not use one socket for multiple devices at the same time. [It may cause fire due to overheating of the socket.]

⚠ Caution
If power plug is dropped or case is broken, unplug the power cord. [If it is used as it is, it may cause fire or electric shock. Please contact service center.]
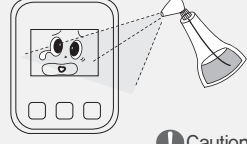
⚠ Caution
In case of thunderstorm or lighting or if the power plug is not used for long time, unplug the power cord. [There is the risk of electric shock or fire.]
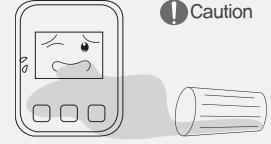
Use precautions

⚠ Caution
Do not harm or damage the unit with sharp object such as nail, pencil, or pen. [It will damage the surface of the unit and cause malfunction.]

⚠ Caution
Do not clean the unit with water, benzene or paint thinner. [Damage to the insulation of electrical parts may cause malfunction.]
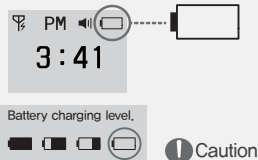
⚠ Caution
If foreign object enters the unit, please contact service center. [This may cause damage to the internal parts.]

⚠ Warning
Do not disassemble or modify the unit. If repair of the unit is required, please contact the service center.

PM 🔊 3:41
Battery charging level.
⚠ Caution
When the battery icon indicates as marked in a circle, use it after recharging for more than 2 hours.

⚠ Caution
Use the supplied adapter.
[Malfunctioning of supplied adapter during its use is not covered by manufactures' warranty.]

Contents

[Main Body]

[Wrist Band]

[Adapter – DC5V 1A]

Input : 100–240V~50/60Hz
Onput : DC5V 1A

[Charging cables – micro USB]

Upper Band

Lower Band

Recharging Instructions

※ Please use only supplied adaptor.

Defect of the product caused by the use of other products will be repaired with charge.
Limited accessary warranty. Malfunctioning of supplied adapter during its use is not
covered by manufactures' warranty.

① Open the USB cover of pager.
② Connect micro USB jack to the connector of pager.
③ Plug the cord into the outlet after connecting
  adaptor and USB cable.

Battery charging level.

When the battery icon indicates as marked
in a circle, use it after recharging for more
than 2 hours.

Name of each part

Wrist type upper band
(How to combine main body and band :
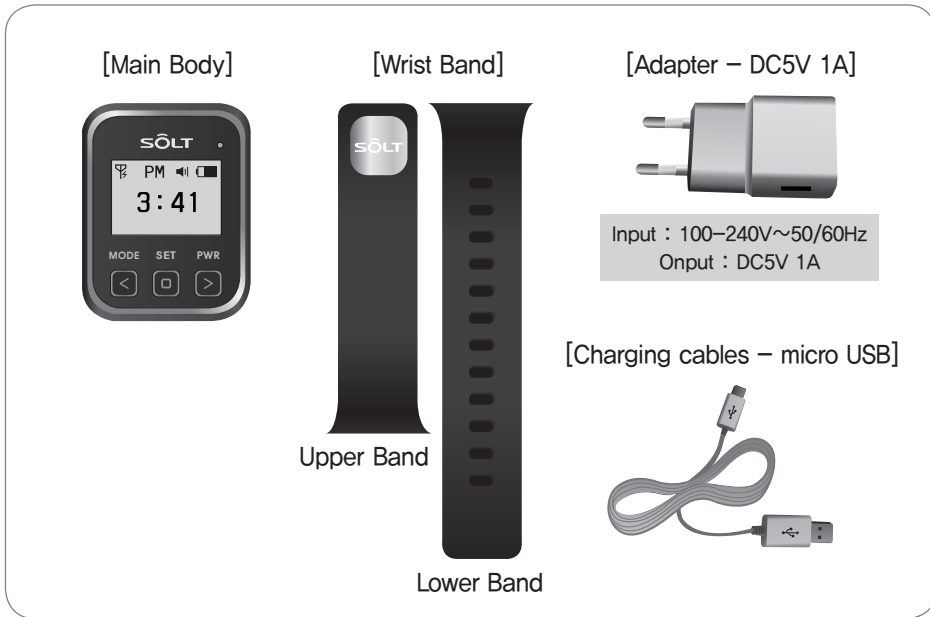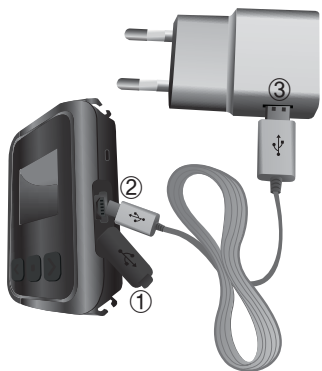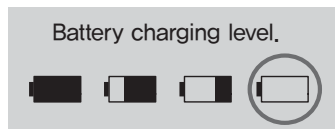Push the band to the left fitting into the groove of main body.)

Buttons	Description
MODE Press it more than 2 seconds	Entering into Mode / Exit to idle screen Conversion of numbers, English letters and special characters
SET Press it more than 2 seconds	Move to upper mode
PWR Press it more than 2 seconds	Power ON/OFF
◁ ▷ Press it once shortly	Mode Shift, Digit Location Shift, Shift to receiving screen
SET Press it once shortly	Mode Selection, Setting Value Selection and Change

Wrist type lower band

Screen Layout

Idle screen

Reception available

AM/PM

Sound Vibration

Remaining battery

PM

3 : 41

Current Time

	Charging in progress battery icon
100	Charging completed battery icon

PM

3 : 41

⊠ 3
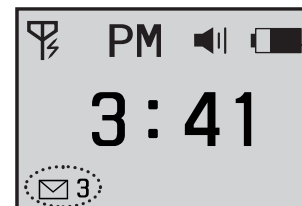
Unchecked call Icon, Number of Unchecked Calls
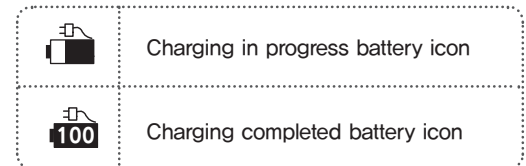
※ When there are unchecked calling numbers in idle screen,
  the number of unchecked calls is displayed.

When you press SET button at receiving screen,
unchecked call icon is disappeared. When you
check all received call numbers, only current time
is displayed.

Screen Layout

Current Time

🏱 PM 4:07 ◀| ▭

A11

✉ 16:08   2/3

Receiving number

Unchecked call Icon

Receiving time

Receiving sequence / Total number of calls

▶

🏱 PM 4:07 ◀| ▭

A11

⟲16:08   2/3

When you press SET button, unchecked call icon is disappeared.

· [A11] calling number is displayed in the middle, and receiving time is displayed at left bottom.
· Total number of received calls and receiving sequence of calling numbers are displayed at right bottom.
  [A11] is secondly received number out of total 3 receiving numbers.
· Total 50 calling numbers can be stored.
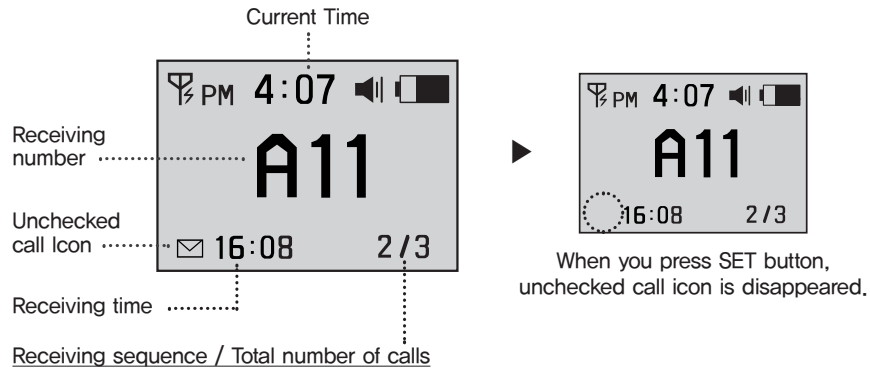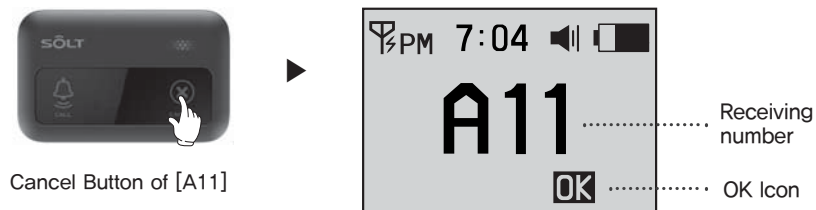 (When 51st calling number is received, 1st receiving calling number is disappeared.)

Cancel receiving screen : Example screen of [A11] cancellation among receiving numbers

Cancel Button of [A11]

▶

🏱 PM 7:04 ◀| ▭

A11

OK

Receiving number

OK Icon

· [A11] is displayed together with OK icon at right bottom.
· After cancellation, [A11] is deleted from receiving list, and total number of calls is decreased.

List of setting modes

You can set following listed modes using set button of main body.

🕐	Time Setting	· 24hours digital watch function
🔊	Sound / Vibration Setting	· Call notification method setting
ID	Bell ID Setting	· New bell ID registration · Calling number change · Whole calling number deletion
⚙	Other Settings	(1) STAT : Checking the detail set by Other Settings (2) CONT : Adjusting the contrast of LCD screen (3) DUPT : Duplicated receiving prevention time (4) SOND : Number of call alarm repetition (5) COPY : Registration transmission (6) NORX : Receiving restriction number (7) RSSI : Receiving sensitivity check (8) REMD : Unchecked calling number notification

Entering into Setting Mode

You can enter into setting mode by pressing MODE button for more than 2 seconds at idle screen.
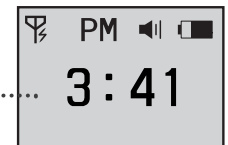
MODE SET PWR

Setting mode screen

🕐 🔊
ID ⚙

※ Note: Calling signal cannot be received at setting mode.
(Calling signal can be received at idle screen only.)

Exit from setting mode to idle screen

If you press MODE button at setting mode screen for more than 2 seconds, Idle screen is displayed.

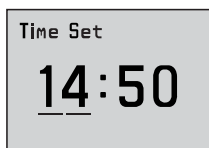MODE SET PWR

Idle screen

🏱 PM ◀| ▭

3:41

Current Time

⏰ Time Setting

You can set the time of Pager.

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⏰ using arrow keys, enter into setting mode by pressing SET button.

```
Time Set
14:50
```

③ Select 'Hour' using SET button and after setting 'Hour' using arrow keys, press SET button.

```
Time Set        Time Set
14:50     ▶     07:50
```

④ Move cursor using arrow keys and select 'Minute' using SET button.

⑤ After setting 'Minute' using arrow keys, press SET button.

```
Time Set        Time Set
07:50     ▶     07:35
```

⑥ When you press SET button for more than 2 seconds, setting is completed.

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
📶  AM  🔊 🔋
7:35
```
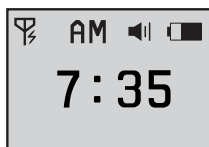
❗ Note

※ If battery is completely discharged and goes out, set time can be initialized.

🔊 Sound / Vibration Setting
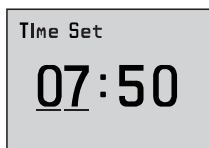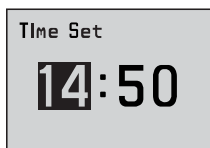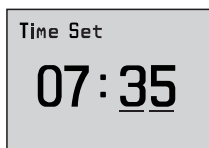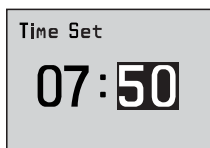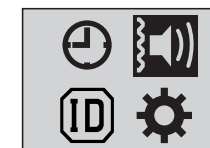
You can set sound or vibration when receiving calls.

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to 🔊 using arrow keys, enter into setting mode by pressing SET button.

③ If you select Type using arrow keys, you can check sound or vibration.

```
🔊  ① ② ③
📳  ① ② ③
📳🔊  ① ② ③
```

④ When you press SET button for more than 2 seconds after selecting Type, setting is completed.

⑤ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
📶  PM  🔊 🔋
3:41
```
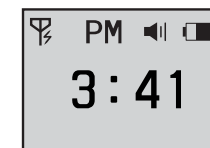
🔊	Sound Mode	Only sound output is made and there are ① ② ③ types.
📳	Vibration Mode	Only vibration output is made and there are ① ② ③ types.
📳🔊	Sound/Vibration Mode	Sound and vibration outputs are made at the same time and there are ① ② ③ types.

❗ Note

※ Cancel reception notifying methods(sounds/vibrations) are fixed depending on each [sound mode, vibration mode, sound/vibration mode].

▌[ID] New bell ID registration

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

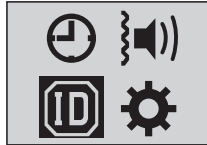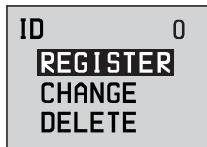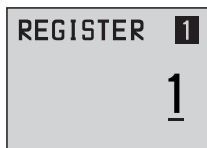② After moving to [ID] using arrow keys, enter into setting mode by pressing SET button.

```
ID          0
REGISTER
CHANGE
DELETE
```

③ Enter into `REGISTER` Mode using SET button.

④ When calling bell that is to be registered as No.1 is pressed, it is registered with 'beep' sound. Number of cursor location is changed to '2', and when calling bell that is to be registered as No.2 is pressed, it is registered.
Thus each time next calling bell is pressed in order, sequential registration is made from No.1.

```
REGISTER   1

           1
```

(④-1) If you want to change to other characters, refer to following table.

Character Change	When character inversion is made by pressing SET button, you can select other characters using arrow keys. [Character Inversion] REGISTER 1 ▶ REGISTER 1
	When you press MODE button for more than 2 seconds, you can select 〈Numbers, English Lower Case Letters, English Capital Letters, Special Characters〉. REGISTER 1 · 1 REGISTER a · a REGISTER A · A REGISTER ? · ?
Digit Location Shift (Cursor Movement)	You can move cursor location using arrow keys.

Registered total number of calling bells.

```
ID         12
REGISTER
CHANGE
DELETE
```

⑤ When you press SET button for more than 2 seconds, registration is completed and returns to previous stage.

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
⚡ PM ◀‖ ▭
3:41
```
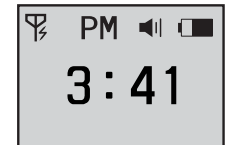
※ Expressible Characters

Numbers	1234567890
English Letters (Lower case letters)	abcdefghijklmnopqrstuvwxyz
English Letters (Capital Letters)	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Special Characters	? - _ / , . : ▪ (Blank)

▌ ⏹ID Calling Number Change

(2) Calling Number Change (Mode that changes registered calling number)

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⏹ID using arrow keys, enter into setting mode by pressing SET button.

③ Move to **CHANGE** mode using arrow keys and enter into change mode by pressing SET button.
· 'Press Bell' is displayed.

```
ID          12
  REGISTER
  CHANGE
  DELETE
```

```
CHANGE

   Press
     Bell
```
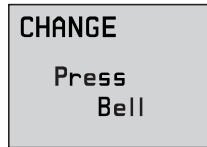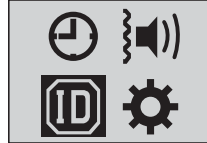
Example: Change [A1] to [C-5].

④ When you press calling bell that you want to change among registered calling bells, relevant number is displayed with 'beep' sound.

```
CHANGE        1
    A1

    A1
```

⑤ After changing to desired characters, when you press SET button for more than 2 seconds, changed number is stored and 'Press Bell' is displayed.

```
CHANGE        A
Registered  A1
number
Changed     C-5
number
```

(Refer to 'New Calling Number Registration (④-1)' for character change method.)

⑥ If you want to change other calling number, repeat ④～⑤ process.

```
ID          12
  REGISTER
  CHANGE
  DELETE
```

⑦ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑧ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑨ When you press MODE button for more than 2 seconds, idle screen is displayed.
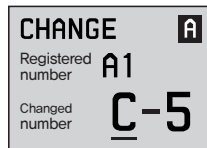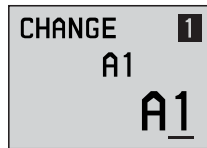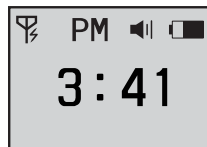
```
     PM
    3:41
```

12

▌ ⏹ID Whole calling number deletion

(3) Whole calling number deletion (Mode that deletes all registered calling numbers)

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⏹ID using arrow keys, enter into setting mode by pressing SET button.

③ Move to **DELETE** mode using arrow keys and enter into change mode by pressing SET button.

```
ID          12
  REGISTER
  CHANGE
  DELETE
```

④ If you want whole deletion, move to [YES] and press SET button. If you want to cancel whole deletion, move to [NO] and press SET button.

```
DELETE

   Yes No
```

⑤ When you make whole deletion, registered all calling numbers are deleted, therefore, you need to check one more time. If you want whole deletion, move to [YES] and press SET button.

```
DELETE

   SURE?
   Yes No
```
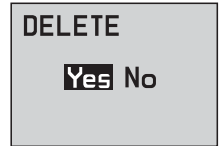
Registered total number of calling bells.

⑥ After 'beep' sound is made, whole deletion is completed and returns to previous stage. Number of registered calling bells becomes '0'.

```
DELETE

  . . . . .
```

```
ID           0
  REGISTER
  CHANGE
  DELETE
```
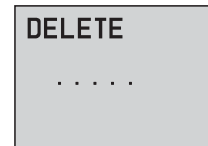
⑦ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑧ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
     PM
    3:41
```

13
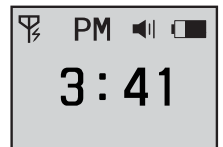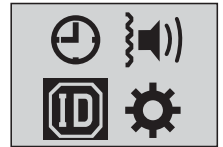
⚙ Other Settings

```
STAT  CONT
DUPT  SOND
COPY  NORX
```

(1) Checking the detail set by Other Settings

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **STAT** mode using arrow keys and enter into change mode by pressing SET button.
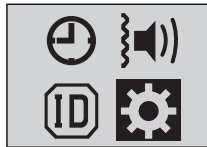
```
STAT  CONT
DUPT  SOND
COPY  NORX
```

```
RN:032/005 ···· Total registered bells(32 bells) / Receiving-restricted bells(5 bells)
AR:001 ············· Number of call alarm repetition : call to be alarmed one(1) time
DT:003 ··········· When receiving same calling numbers for 3 seconds, it is displayed only once.
BT:38333299 ··· Battery calibration value(Only for manufacturer's checking purpose)
```

④ When pressing SET button for more than 2 seconds, it returns to previous stage.

```
STAT  CONT
DUPT  SOND
COPY  NORX
```

⑤ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑥ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
PM
3:41
```

⚙ Other Settings

```
STAT  CONT
DUPT  SOND
COPY  NORX
```

(2) Adjusting the contrast of LCD screen

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

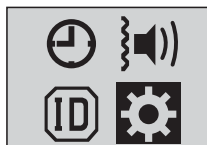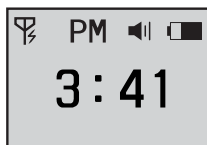③ Move to **CONT** mode using arrow keys and enter into change mode by pressing SET button.

```
STAT  CONT
DUPT  SOND
COPY  NORX
```

④ Set desired value using arrow keys. (default setting value is 10.) You can select it from 00 to 20.
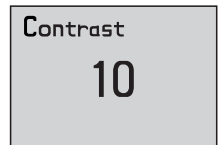
```
Contrast
10
```

⑤ When pressing SET button for more than 2 seconds, it returns to previous stage.

```
STAT  CONT
DUPT  SOND
COPY  NORX
```

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed

```
PM
3:41
```
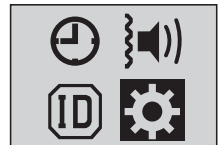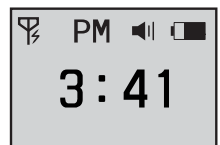
⚙ Other Settings

```
STAT   CONT
DUPT   SOND
COPY   NORX
```

(3) Duplicated receiving prevention time
(When receiving same calling numbers, it allows only one reception during set time period.)

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.
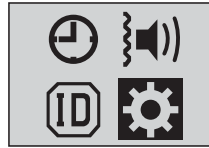
② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **DUPT** mode using arrow keys and enter into change mode by pressing SET button.

④ Set desired value using arrow keys.
Initial setting value is [03] and 3 seconds (setting range: 00~99).
(When receiving same calling numbers for 3 seconds, it is displayed only once.)

⑤ When you press SET button for more than 2 seconds, storing is completed and returns to previous stage.

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

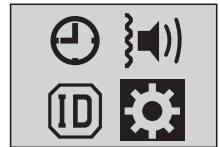⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
DUPT
03 sec
```

```
PM ◀ ▯
3:41
```

⚙ Other Settings

```
STAT   CONT
DUPT   SOND
COPY   NORX
```

(4) Number of call alarm repetition
(It is a function that sets repeated numbers of sound or vibration for calls.)

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.
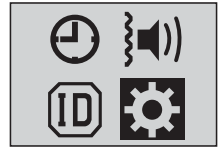
② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **SOND** mode using arrow keys and enter into change mode by pressing SET button.

④ Set desired value using arrow keys.
· Initial setting value is [01] and it means one time notification against a call. (setting range: 00~99)
· When setting as [00], receiving notification is repeated continuously, and when pressing any button, receiving notification stops.

⑤ When you press SET button for more than 2 seconds, storing is completed and returns to previous stage.

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

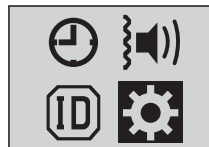⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
Alarm Repeat
01 Times
```

```
PM ◀ ▯
3:41
```

⚙ Other Settings

STAT	CONT
DUPT	SOND
COPY	NORX

(5) Registration transmission
(Function that duplicates registered all calling numbers to other pagers.)

· Connect 2 pagers using dedicated cable.
(Transmission time varies depending on the registered capacity.)

(Option item)
Dedicated Data Transmission cable

ⓐ

■■■➡

ⓑ

Pager screen that transmits data
(Refer to following sequence.)

Pager screen that receives data
(The registered Bell IDs are deleted.)
: Data can be transmitted only in idle mode.

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **COPY** mode using arrow keys and enter into change mode by pressing SET button.

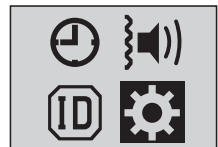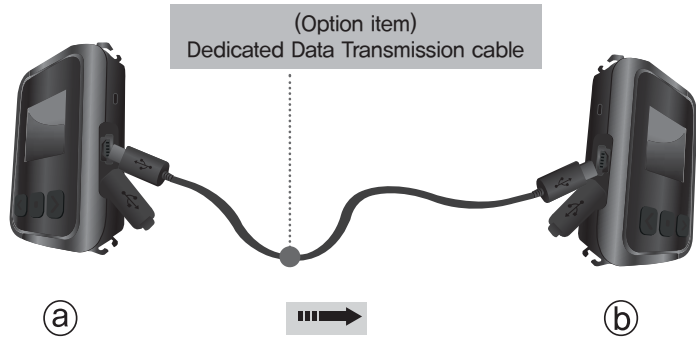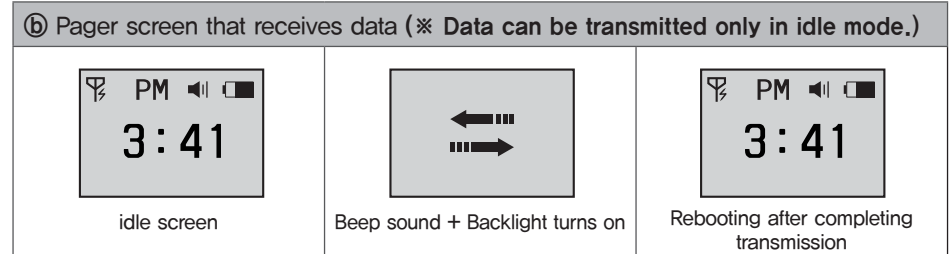| STAT	CONT
DUPT	SOND
COPY	NORX

④ When you press SET button, transmission starts, and when transmission is completed, 'OK' icon is displayed.

ⓐ Pager screen that transmits data

Data COPY **SEND**	Data COPY **SEND**	Data COPY **SEND** 〔OK〕
SET Button. Transmission Start	Being Transmitted	Transmission Completion

ⓑ Pager screen that receives data (※ Data can be transmitted only in idle mode.)

⼳ PM ◀ 🔋 **3:41**	⬅■■ ■■➡	⼳ PM ◀ 🔋 **3:41**
idle screen	Beep sound + Backlight turns on	Rebooting after completing transmission

⑤ When pressing SET button for more than 2 seconds, it returns to previous stage.

STAT	CONT
DUPT	SOND
COPY	NORX

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

🕐 🔊)) ⒾⒹ ⚙

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

⼳ PM ◀ 🔋
3:41
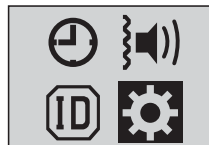
※ When the cable is not connected well or when the mode of a receiving pager is not idle one.

Data COPY **SEND**	Data COPY **WAIT**	Data COPY **WAIT** 〔ERR〕	STAT CONT / DUPT SOND / **COPY** NORX
SET Button. Transmission Start	After 'WAIT' displayed for 15 seconds "ERR" appears on the screen.		Mode moves to previous stage.

⚙ Other Settings

```
STAT   CONT
DUPT   SOND
COPY   NORX
```

(6) Receiving restriction number
(Function that sets unwanted receiving number out of registered calling numbers.)

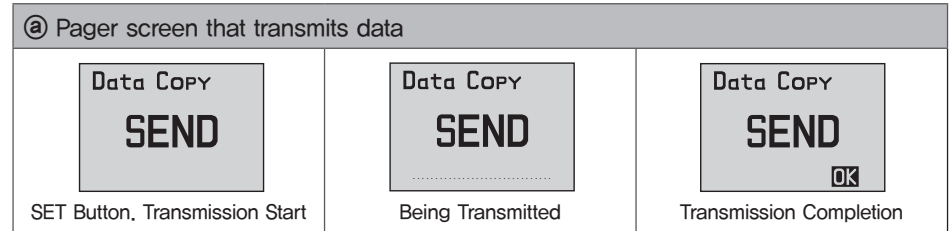① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **NORX** mode using arrow keys and enter into change mode by pressing SET button.

④ After searching unwanted receiving number using arrow keys, when you press SET button, it is set as no- reception [NoRx]. When you press SET button once again, it is set as reception [Rx]. (Initial setting value is reception [Rx].)

```
NoRx Setup
   T-9
028      NoRx
```

Pager does not receive call from [T-9].

⑤ When you press SET button for more than 2 seconds, storing is completed and returns to previous stage.
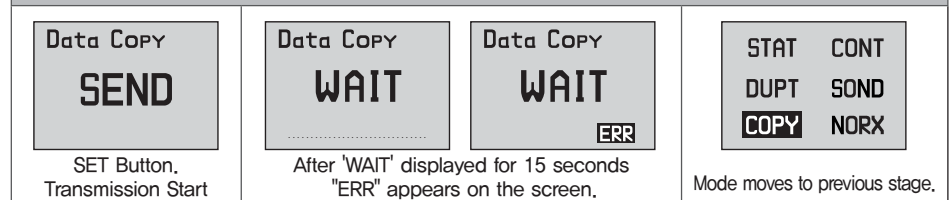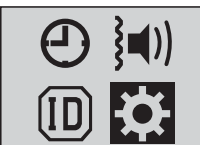
```
STAT   CONT
DUPT   SOND
COPY   NORX
```

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
⏰ 🔊
ID ⚙
```

```
🏴 PM ◀|| 🔋
   3:41
```

⚙ Other Settings

```
RSSI   REMD
```

(7) Receiving sensitivity check
(Function that checks receiving signal strength.)

① You can enter into Setting Mode by pressing MODE button for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode by pressing SET button.

③ Move to **RSSI** mode using arrow keys and enter into change mode by pressing SET button.

```
RSSI   REMD
```

④ When you press a calling bell, you can check receiving signal strength.

```
RSSI
 - 63 dBm
```

⑤ When pressing SET button for more than 2 seconds, it returns to previous stage.

```
RSSI   REMD
```

⑥ When pressing SET button for more than 2 seconds, it returns to previous stage.

```
⏰ 🔊
ID ⚙
```

⑦ When you press MODE button for more than 2 seconds, idle screen is displayed.

```
🏴 PM ◀|| 🔋
   3:41
```

⚙ Other Settings

RSSI **REMD**

(8) Unchecked calling number notification
(Function that notifies unchecked calling number.)

① You can enter into Setting Mode by pressing MODE button
for more than 2 seconds at idle screen.

② After moving to ⚙ using arrow keys, enter into setting mode
by pressing SET button.

③ Move to **REMD** mode using arrow keys and enter into change
mode by pressing SET button.

④ Select desired setting out of [ON], [OFF] using arrow keys.
· When you set as [ON], upper right LED light flickers every minute
if there is unchecked calling number. (Initial setting value is OFF.)

Remind Alert
ON

Remind Alert
OFF

LED light

⑤ When you press SET button for more than 2 seconds,
storing is completed and returns to previous stage.

RSSI **REMD**

⑥ When pressing SET button for more than 2 seconds,
it returns to previous stage.

⑦ When you press MODE button for more than 2 seconds,
idle screen is displayed.

PM 3:41

MEMO

SÔLT