# SŌLT

# User's Guide

SOLTMAIN
SOLTBELL / ST−B3

# Contents

## Specification

| Model | SOLTBELL | SOLTMAIN |
|---|---|---|
| Frequency(MHz) | 433.0500 ~ 434.7900 | |
| Freq Stability | ±10 ppm | |
| Data Rate | 1800 bps | |
| Channel space | 12.5 KHz | |
| Modulation | FSK (±3KHz) | |
| Output Power | 10mW (Max) | |
| Sensitivity | N/A | −118dBm (at 12dB) |
| Power Supply | DC 3V CR2032 Coin Cell | DC 12V/1A Adapter |
| Dimension(mm) | 67W × 42L X 11H | 288W × 133L × 40H |
| Battery Life cycle | More than 1year (@30 Calls / day) | External Power |
| Antenna | PCB (Internal) | Tilt base snap−in_dipole (External) |

# Important Safety Instructions

In order to prevent harm or injury to those using the equipment or to any other persons and/or property, please be sure to read the following safety instructions.

**⚠ Warning** This sign warns of possible death or serious injury to persons and/or property.

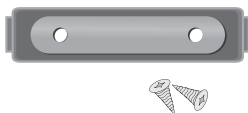**⚠ Attention** This sign warns of possible damage or injury to persons and/or property.

## Power related

**⚠ Warning**
Make sure the power plug is correctly inserted in to the wall outlet. [If the plug is inserted improperly, it may cause electric shock or generate heat resulting in fire.]

**⚠ Attention**
Never do anything that might cause damage to the cord or power plug. [This may generate heat resulting in fire.]

**⚠ Attention**
Do not connect or disconnect the power plug with wet hands. [This may result in electric shock.]

**⚠ Warning**
Do not use multiple power plugs on one connector. [This may generate heat resulting in fire.]

**⚠ Attention**
Unplug the power plug if the main unit is damaged. [It may cause electric shock or generate heat resulting in fire. Please contact service center.]

**⚠ Attention**
Unplug the power plug, in case of light−ening or when unused for long periods of time. [It may cause electric shock or generate heat resulting in fire.]

## Handling

**⚠ Attention**
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.]

**⚠ Attention**
Do not clean the unit with water, benzene, or paint thinner. It may damage insulation of electrical parts resulting in electrical shock or fire.

**⚠ Attention**
If foreign object enters the unit, please contact service center. It may damage internal parts of the unit resulting in fire electrical shock or fire.

**⚠ Warning**
Do not disassemble or modify the unit. If repair of the unit is required, please contact the service center. It may cause electric shock or generate heat resulting in fire.

**⚠ Attention**
CR2032 LITHIUM BATTERY 3V
Use only the batteries specified in this manual. [The batteries could leak corrosive liquids, explode or catch on fire.]

**⚠ Attention**
Dispose used batteries properly and keep away from reach of children. Contact physician immediately when the battery is swallowed by children.

## Supplies Per Models

### Main

Main

Adaptor

Installation Deck (Screw 2pcs)

### Bell

ST−B3

SOLTBELL

## Installation guide

To assure the finest performance, please read this manual carefully.

### ① Location

Avoid metal plates, electrical wires, and LED lighting that will shorten reception range.

❗Attention

Do not install near any heat sources such as radiators, stoves, or other appliances that produce heat. There is danger of fire or an electric shock.
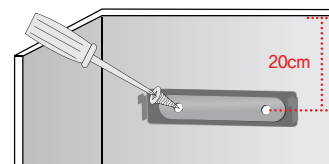
❗Warning

The location should be safegarded from excess moisture, dust, and rain. There is danger of fire or an electric shock.
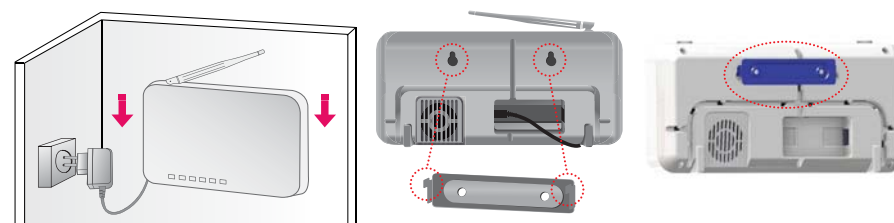
❗Attention

### ② Bracket Installation

20cm

Wall mount bracket should be placed at least 20cm below the ceiling. Reception range can be shorten if placed less than 20cm.
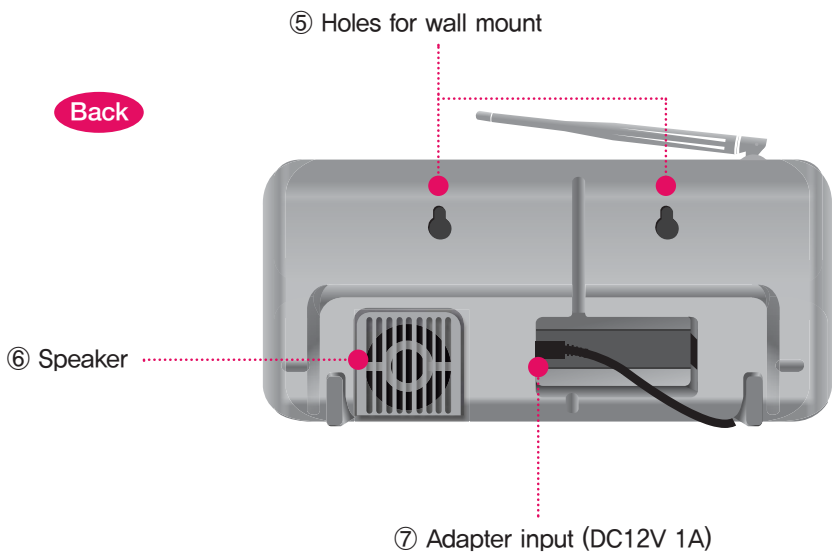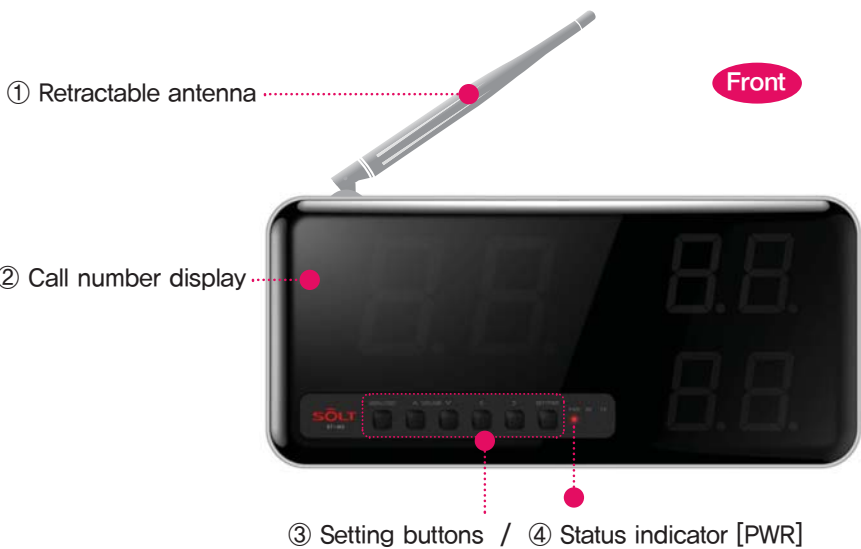
### ③ Power Cord (Use the adapter provided in the package.)

### ④ Wall Mounting (Pull down the unit until clicking sound is heard. )

## Name of each section (Main)

① Retractable antenna

**Front**

② Call number display

③ Setting buttons / ④ Status indicator [PWR]

⑤ Holes for wall mount

**Back**

⑥ Speaker

⑦ Adapter input (DC12V 1A)

① Retractable antenna : 180 degrees pivot.

② Bell number indicator : activated led number varies by different models.

③ Setting buttons

| MENU / ESC | ・ Menu button in setting mode<br>・ Alphabetic and numeric changing button |
|---|---|
| ▲ ▼ | ・Up/ Down buttons<br>・Changing volume (0~9 levels): default level is 5<br><br>※ To change volume, press up/down to desired level and press SET button |
| ◄ ► | ・Left / Right buttons |
| SET / PWR | ・Storing button for set value<br>・Power button |

④ Status indicator : Location of indicator differs by different models.

| PWR | Red led indicates power is on |
|---|---|

⑤ Holes for wall mount : Refer to item 4 of Installation Guide in page 5.

⑥ Speaker : 1.5W / 50Φ x 1.25mm

⑦ Adapter input: DC12V 1A (Use the supplied adapter)

Limited accessary warranty: malfunctioning of supplied adapter during its use is not covered by manufactures' warranty.

Purchasing an adapter with AC110~220V input, DC12V 1A output is recommended.

Input : AC110~220V
Output : DC12V 1A

## Name of each section (Bell)
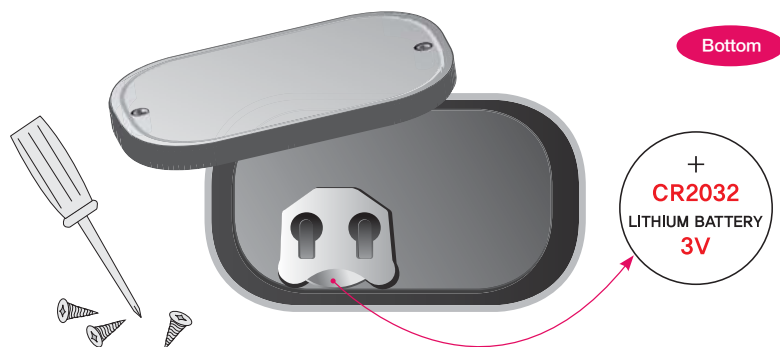
※ Color of the Bell may vary with different models.

Upper side

① Call button ..............................

## Battery replacement instruction

It is strongly advised to use specified battery type compliant with international standards. (CR2032 3V coin type lithium battery)

Bottom

+
CR2032
LITHIUM BATTERY
3V

① Unscrew the screws at the back of the Bell to remove the lid.
② Place the battery into a holding bracket with + sign at the top.
③ Close the lid and screw the screws.

## List of setting modes for Main transceiver

Each setting mode below is activated with using Setting buttons.

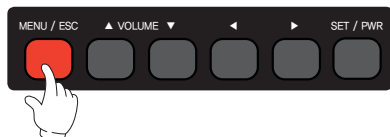| | |
|---|---|
| F0 | **New call number registration mode**<br>Adds new call number to the list of registered call numbers. |
| F1 | **Sound setting mode**<br>Sets bell sound for all Bells. (22 bell sounds / default value is 1) |
| F2 | **Display time setting mode**<br>Sets display duration. (default value is 30 seconds) |
| F3 | **Ring repetition setting mode**<br>Sets ring repetition number. (default value is 1) |
| F4 | **Unique Bell sound setting mode**<br>Sets bell sound for individual Bells |
| F5 | **Call redundancy interval setting mode**<br>Sets interval for redundant calls (default value is 3 seconds) |
| F6 | **Call number changing mode**<br>Assigns different call number for the Bell. |
| F7 | **Call number deleting mode using the Bell**<br>Deletes call number from the list using the Bell |
| F8 | **All Call number deleting mode**<br>Deletes all call number on the registered call number list |
| F9 | **Call number deleting mode using the Main unit**<br>Deletes call number from the list using the main Unit. |
| E1 | **New call number sequence registration mode**<br>Sequential registration call number. |

## New call number registration mode

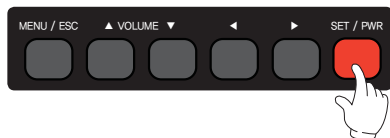· Adds new call number to the list of registered call numbers.

### (1) Press and hold (MENU/ESC) button for 3 seconds.

**This is call number registration mode.**



· Entering setting mode as **[F0]** is displayed.
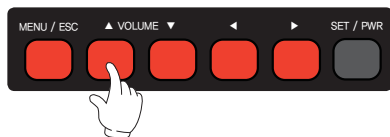
### (2) Press (SET) button.



· blinking **[0]** is displayed.

### (3) Press (▲▼◀▶) buttons. Sets a new number.

· Press (◀▶) buttons to move to different digits.

· Press (MENU) button to toggle form Number mode to English mode.

**The cipher is changing.**

**This is english mode.
This is number setting mode.**



| Number mode | 0123456789 (Blank) |
|---|---|
| English mode | AbCdEFgh IJHLNnoPqr StULuHY2-_ (Blank) |

### (4) Press (SET) button.    Press the call number.



· Selected number is blinking.

### (5) Press the bell button to register.    The number has been registered.



· Registration for selected call number is completed. To register another Bell, repeat the processes from (3) to (5).

※ " The number already has been registered. " is announced in the case of pressing currently registered Bell button.

### (6) Press and hold (MENU/ESC) button for 3 seconds when registration is finished.



· **[F0]** is displayed and return to previous step.

※ Press (▲▼) buttons to select different setting mode.

### (7) Press (MENU/ESC) button.



· **[--]** is displayed and ready for reception.
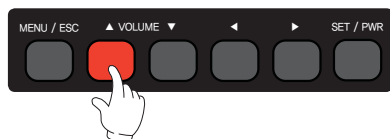
## Sound setting mode

· Sets bell sound for all Bells.

`F1`

**(1) Press and hold (MENU/ESC) button for 3 seconds.**
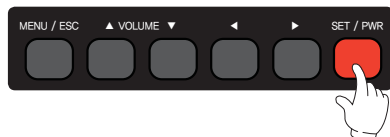
🔊 This is call number registration mode.

· Entering setting mode as **[F0]** is displayed.

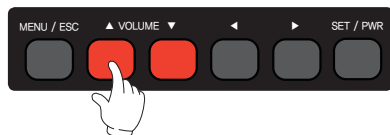**(2) Press (▲) button once.** 🔊 This is sound setting mode.

· **[F1]** is displayed

**(3) Press (SET) button.**
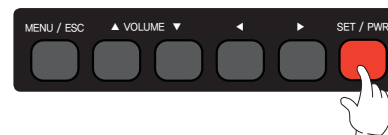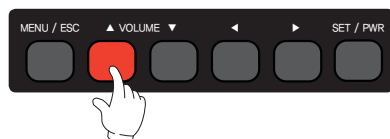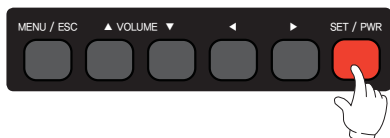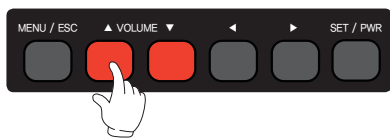
· selected sound is played as **[1]** is displayed.

**(4) Press (▲▼) buttons.   Select the desired bell sound.**

· Selected sound number is displayed.

※ Selected bell sound is played as navigating by pressing (▲▼) buttons.

**(5) Press (SET) button.** 🔊 The setting has been completed.

· **[F1]** is displayed and returns to previous step.
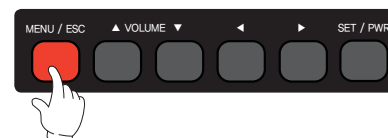
※ Press (▲▼) buttons to select different setting mode.

**(6) Press (MENU/ESC) button.**

· **[--]** is displayed and ready for reception.

| BELL (Preset mode : ding-dong 1) | | | |
|---|---|---|---|
| 1 | ding-dong 1 (Preset mode) | 12 | ding-dong 8 |
| 2 | ding-dong 2 | 13 | ding-dong 9 |
| 3 | ding-dong-dang 1 | 14 | ding-dong 10 |
| 4 | ding-dong-dang 2 | 15 | chime bell 1 |
| 5 | ding-dong 3 | 16 | chime bell 2 |
| 6 | ding-dong 4 | 17 | cow |
| 7 | ding-dong 5 | 18 | pig |
| 8 | water drop | 19 | rooster |
| 9 | ding-dong-dang 3 | 20 | siren |
| 10 | ding-dong 6 | 21 | birdcall 1 |
| 11 | ding-dong7 | 22 | birdcall 2 |

## Time display setting mode

· Sets display duration.

**(1)** Press and hold (MENU/ESC) button for 3 seconds.

◉ This is call number registration mode.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· Entering setting mode as **[F0]** is displayed.

**(2)** Press (▲) button twice.   ◉ This is time display setting mode.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· **[F2]** is displayed.

**(3)** Press (SET) button.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· Blinking **[30]** is displayed.

※ 30 is set for default. (Unit : second)

**(4)** Press (▲▼) buttons.  Select the desired duration.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· Selected duration is displayed.

**(5)** Press (SET) button.   ◉ The setting has been completed.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· **[F2]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

**(6)** Press (MENU/ESC) button.

| MENU / ESC | ▲ VOLUME ▼ | ◄ | ► | SET / PWR |

· **[ーー]** is displayed and ready for reception.

### Note!

What is time display setting mode ?
Duration of displaying call number received on Main unit.
[Call number is displayed for 30 seconds as default is set for 30]

※ Call number display is stayed on if 0 is set.

## Sound repeat setting mode
· Set sound repeat number.

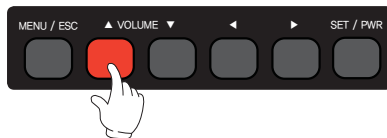**(1) Press and hold (MENU/ESC) button for 3 seconds.**

🔊 This is call number registration mode.
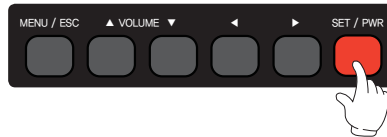


· Entering setting mode as **[F0]** is displayed.

**(2) Press (▲) button 3 times.**    🔊 This is sound repeat setting mode.
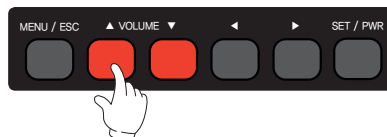


· **[F3]** is displayed.

**(3) Press (SET) button.**



· **[1]** is displayed.

※ 1 is set for default. (Unit : number)

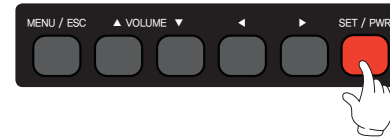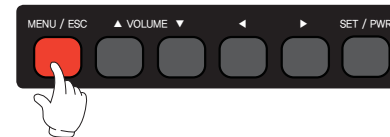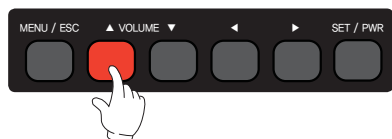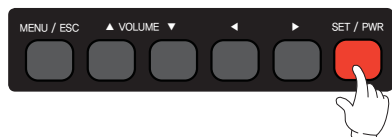e.g.) 1 : repeat once
      2 : repeat twice
      3 : repeat 3 times

**(4) Press (▲▼) buttons. Sets desired number .**



· The selected number is displayed.

**(5) Press (SET) button.**    🔊 The setting has been completed.



· **[F3]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

**(6) Press (MENU/ESC) button.**



· **[--]** is displayed and ready for reception.

## Selected sound setting mode
· Sets bell sound for individual Bells.

---

(1) Press and hold (MENU/ESC) button for 3 seconds.

🔊 This is call number registration mode.



· Entering setting mode as **[F0]** is displayed.

---

(2) Press (▲) button 4 times.　🔊 This is selected sound setting mode.



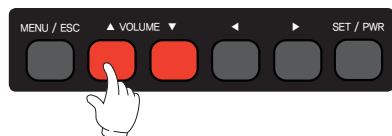· **[F4]** is displayed.
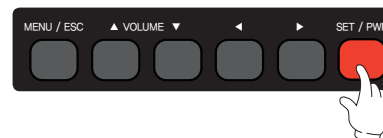
---

(3) Press (SET) button.



[e.g.]



· Registered call number and bell sound ID is displayed and blinking.

Call number　　Bell sound ID

---

(4) Press (▲▼) buttons. Select a call number you want to change.



· Selected call number is displayed and blinking.

---

(5) Press (SET) button.



· Bell sound of selected call number is played and stop blinking.

---

(6) Press (▲▼) buttons. Select Desired sound ID.
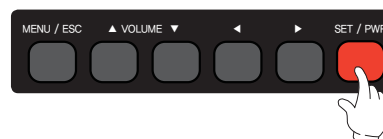
🔊 Bell sound is played in sequence.



· Selected bell sound ID is displayed.

---

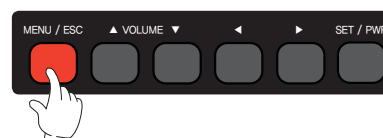(7) Press (SET) button.　🔊 Do you want to change ?

(8) Press (SET) button.　🔊 It has been changed.



· To change another call number and its bell sound id, repeat the processes from (4) to (8).
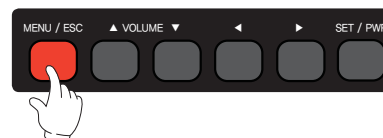
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(9) Press (MENU/ESC) button.



· **[F4]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

---

(10) Press (MENU/ESC) button.



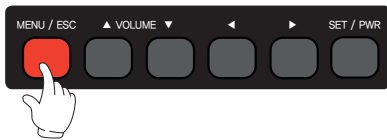· **[--]** is displayed and ready for reception.

## Repetition call setting mode

· Sets interval for redundant calls.

---

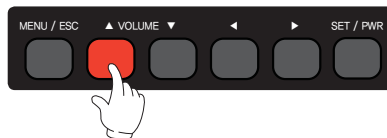(1) Press and hold (MENU/ESC) button for 3 seconds.

◐ This is call number registration mode.
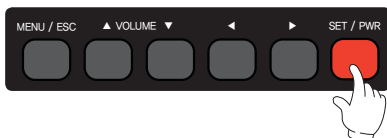


· Entering setting mode as **[F0]** is displayed.

---

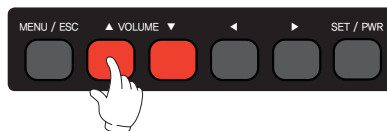(2) Press (▲) button 5 times.  ◐ This is repetition call setting mode.



· **[F5]** is displayed.

---

(3) Press (SET) button.



· **[3]** is displayed.
※ 3 is set for default. (Unit : second)
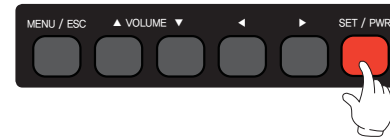
---

(4) Press (▲▼) buttons.   Sets the desired number.



· Selected number is displayed.
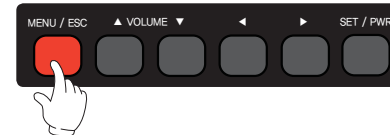
---

(5) Press (SET) button.   ◐ The setting has been completed.



· **[F5]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

---

(6) Press (MENU/ESC) button.



· **[--]** is displayed and ready for reception.

---

### Note!

What is repetition call setting mode?
Redundant call is ignored for certain period of time.
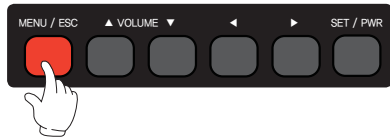[Redundant call is ignored for 3 seconds as 3 is set for default]

**F6**

# Call number changing mode
· Assigns different call number for the Bell.
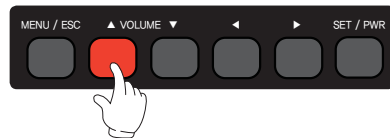
---

**(1)** Press and hold (MENU/ESC) button for 3 seconds.

🔊 This is call number registration mode.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· Entering setting mode as **[F0]** is displayed.

---

**(2)** Press (▲) button 6 times.

🔊 This is call number changing Mode.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· **[F6]** is displayed.

---

**(3)** Press (SET) button.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· Registered call number is displayed.

---

**(4)** Press (▲▼) buttons. Select the call number you want to change.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· Selected call number is displayed.
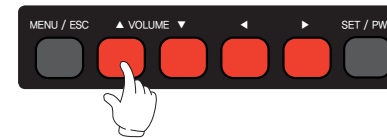
---

**(5)** Press (SET) button.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· The Last digit is blinking.

---

**(6)** Press (▲▼◀▶) buttons. sets desired to call number.
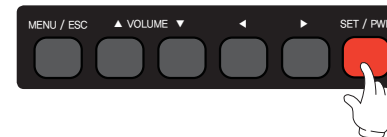
· Press (◀▶) buttons to move to different digits.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· Set call number is displayed.

---

**(7)** Press (SET) button. 🔊 Do you want to change ? · Set call number is blinking.

**(8)** Press (SET) button. 🔊 It has been changed.
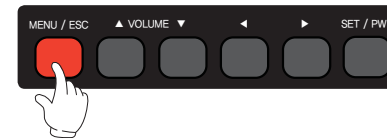
MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· Registered another number is displayed.

· "It has been changed." is played.
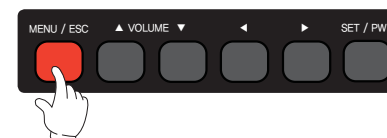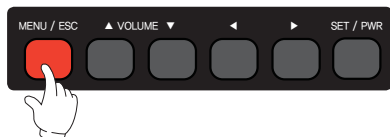· To change another call number, repeat the processes from (4) to (8).

---

**(9)** Press (MENU/ESC) button.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· **[F6]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

---

**(10)** Press (MENU/ESC) button.

MENU / ESC ▲ VOLUME ▼ ◀ ▶ SET / PWR

· **[--]** is displayed and ready for reception.

## F7 Deleting selected call number mode

· Deletes call number from the list using the Bell.
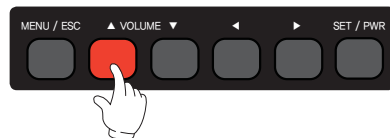
---

**(1) Press and hold (MENU/ESC) button for 3 seconds.**

🔊 This is Call Number Registration Mode.

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

· Entering setting mode as **[F0]** is displayed.

---

**(2) Press (▲) button 7 times.**  🔊 This is deleting selected call number mode.

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

· **[F7]** is displayed.

---

**(3) Press (SET) button.**

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

[e.g.]          Total registered

bE  13

---

**(4) Press (SET) button.**  🔊 Press the call number.

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

[e.g.]          Total registered

- -  13

· Blinking **[--]** is displayed.

---

**(5) Press the delete button.**  🔊 Do you want to delete it ?

SOLT

· Selected call number is displayed and blinking.

---

**(6) Press (SET) button.**  🔊 It has been deleted.

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

[e.g.]

- -  12

Total registered

· Blinking **[--]** is displayed.
· " It has been deleted." is played.
· To delete another call number,
  repeat the processes from (4) to (6).

---

**(7) Press (MENU/ESC) button.**

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

· **[F7]** is displayed and returns to previous step.

※  Press (▲▼) buttons to select different setting mode.

---

**(8) Press (MENU/ESC) button.**

MENU / ESC  ▲ VOLUME ▼  ◀  ▶  SET / PWR

· **[--]** is displayed and ready for reception.

## Every call number deleting mode

· Deletes all call number on the registered call number list.

---

(1) Press and hold (MENU/ESC) button for 3 seconds.

This is call number registration mode.
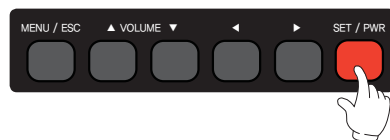


· Entering setting mode as **[F0]** is displayed.

---

(2) Press (▲) button 8 times.　This is Every call number deleting mode.
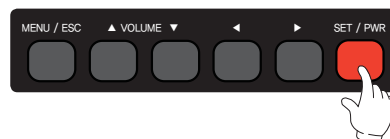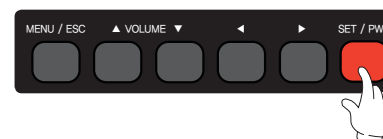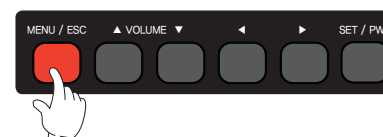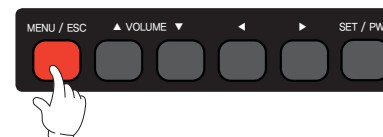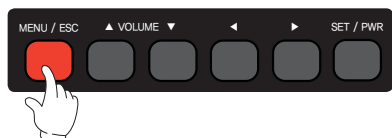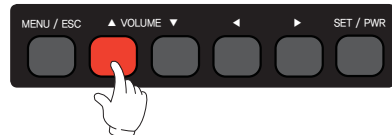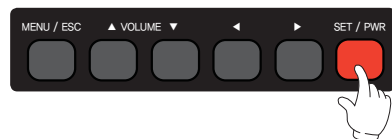


· **[F8]** is displayed.

---

(3) Press (SET) button.
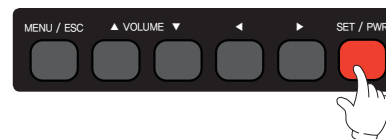


[e.g.]



· Blinking **[AL]** is displayed.

Total registered

---

(4) Press (SET) button.　Do you want to delete all the numbers ?
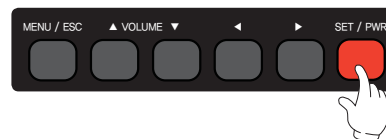


[e.g.]



· Blinking **[DE]** is displayed.
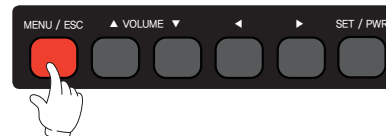
Total registered

---

(5) Press (SET) button.　It has been deleted.



· **[F8]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.

---

(6) Press (MENU/ESC) button.



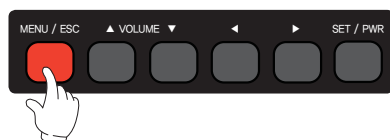· **[――]** is displayed and ready for reception.

## See all numbers or deleting each call number mode
· All register list / Deletes call number from the list using the main Unit.

### All register list

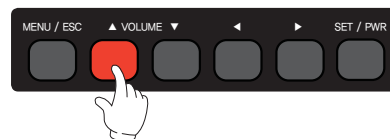**(1)** Press and hold (MENU/ESC) button for 3 seconds.

◉ This is call number registration mode.

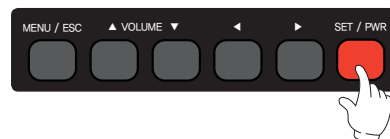· Entering setting mode as **[F0]** is displayed.

**(2)** Press (▲) button 9 times.

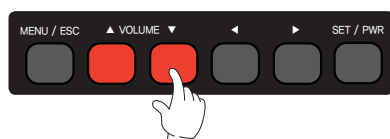◉ This is see all numbers or deleting each call number mode.

· **[F9]** is displayed.

**(3)** Press (SET) button.

· Registered call number is displayed.

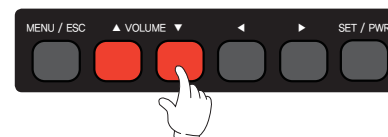[e.g.]  Total registered

Call number

**(4)** Press (▲▼) buttons. You can check the entire call number is registered.

· Registered with the call number will be displayed sequentially.

### Deleting call number

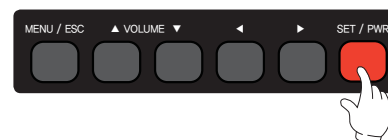**(5)** Press (▲▼) button. Select the call number you want to delete.

· Selected call number is displayed and blinking.

**(6)** Press (SET) button. ◉ Do you wnat to delete it ?

**(7)** Press (SET) button. ◉ It has been deleted.

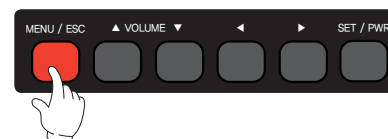[e.g.]  Total registered

Call number

· Selected Call number is deleted and total registered number is changed accordingly.

· To delete another call number, repeat the processes from (5) to (7).
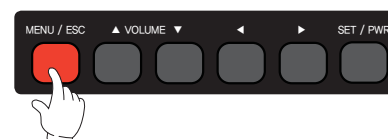
**(8)** Press (MENU/ESC) button.

· **[F9]** is displayed and returns to previous step.

※ Press (▲▼) buttons to select different setting mode.
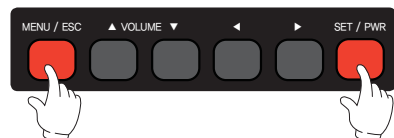
**(9)** Press (MENU/ESC) button.

· **[−−]** is displayed and ready for reception.
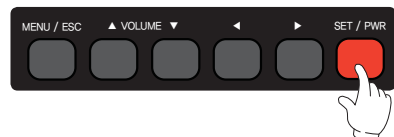
## New call number sequence registration mode
· Sequential registration call number.

---

**(1) Press and hold (MENU + SET) button for 3 seconds.**



· Entering setting mode as **[E1 Sb]** is displayed.

---

**(2) Press (SET) button.**



· blinking **[1]** is displayed.

---

**(3) Press the bell button to register. Sequence is registered.**
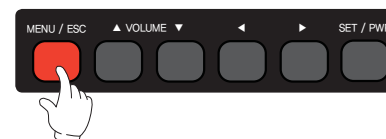
· Sequential register : 1, 2, 3, 4, 5, ...... 10, 11, ....



※ If you are not sequential registration.
· Press (◀ ▶) buttons to move to different digits.
· Press (MENU) button to toggle form Number mode to English mode.

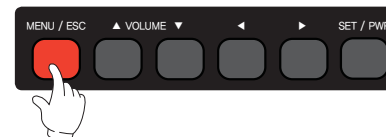| Number<br>mode | 0123456789 (Blank) |
|---|---|
| English<br>mode | AbCdEF9h iJHLNnoP9r<br>StUuuHY2-_ (Blank) |

---

**(4) Press and hold (MENU) button for 3 seconds when registration is finished.**



· **[E1 Sb]** is displayed and return to previous step.

---

**(5) Press (MENU/ESC) button.**



· **[--]** is displayed and ready for reception.

# Checkup prior to a notification

· If you find the symptom as following from your product, please recheck.
  It may not be an obstacle.

| Main / Bell | |
| --- | --- |
| Trouble | Check |
| No power-on on main transmitter. | Check the power connection of a main transmitter and if the adaptor is fitted to an outlet correctly.<br><br>※ As an adaptor is a consumptive goods, we recommend to change it through our agency or AC110∼220V INPUT , DC12V 1A for your direct purchasing. |
| Main display does not receive the number or displays  a different number. | Check if the bell is registered to main monitor and if dip switches are changed.<br><br>(Refer to " All register list " on page 28) |
| When push a bell, it does not make a call, not lighting a  LED. | If the battery of a bell is consumed or reached to a low voltage, please change to new one.<br><br>※ The Bell includes batteries usable for 2∼3 years.<br>※ CR2032 Coin Cell Battery 1EA |

※ As this product is a wireless communication equipment, it may not  receive a number or a different number due to a surrounding environment or an interference of electronic machine.