

KNOP



THIS USER GUIDE IS APPLY FROM SOFTWARE VERSION 2.2

User Guide for Pager RX900-LED



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Intended use of RX900-LED:

RX900-LED is a receiver which is designed to work together with a wireless transmitter of KNOP's 900-series.

RX900-LED can be worn by a person that walks around the coverage area (see "control of coverage area").

Operation:

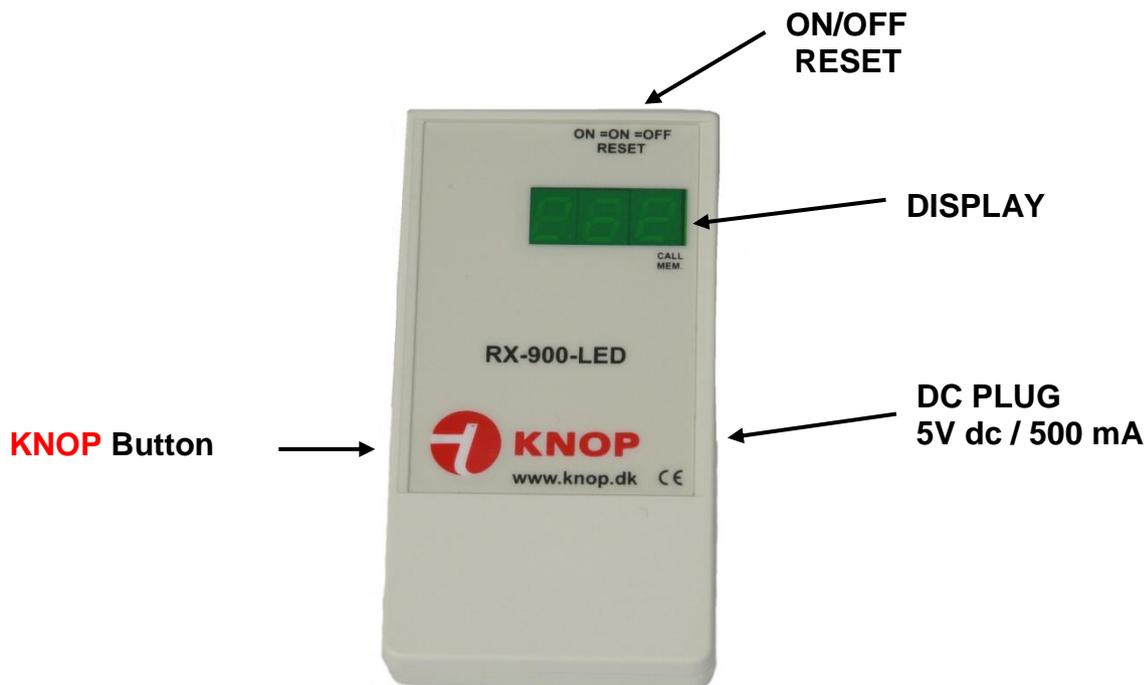
A sliding switch is found on top of RX900-LED. In position to the right RX900-LED is turned off, in the middle it is turned on with sound, and to the left it is turned on with vibrator.

When a call comes in, RX900-LED is stopped by pressing the reset-button. At the same time the display shows where the call came from.

If the reset-button is not pushed, the vibrator will stop after app. 2 sec. and the sound after 15 sec., subsequently "CALL MEM" will flash in the display, and the RX will beep every 5 sec. (not in vibrator-mode, however), as a sign that an alarm has occurred. It will stop when the reset-button is pressed.

The **KNOP** Button:

There is a in below the KNOP logo, which can be used to call for help. When it is activated, RX900-LED will transmit alarm to all RXes into which it has been encoded. At the same time the display will show **HELP** and the vibrator will start. The vibrator will run 2 times when a return call has come to the RX.



Programming transmitter:

NB.: If no selection has been made, it will exit programming within 15 sec.

1. Turn the unit off.
2. Push the **KNOP button** at the same time as turning the unit on.
3. The display shows 
4. Push the **KNOP button** to select programming transmitter.
5. Use the reset-button to select the place in which the transmitter is to be programmed.
Tip: Hold the button down, and it moves up quickly.
6. Push the **KNOP button** once.
7. The display flashes 
8. Activate the selected transmitter. This must be done within 10 sec. Otherwise it will exit programming and RX900-LED will show error code E06.
9. RX900-LED will emit a sound when the code has been saved, if RX900-LED emits a humming sound, as well as error code E05, the transmitter has already been encoded on the RX.

Deleting a transmitter:

NB: If no selection has been made, it will exit programming within 15 sec.

1. Turn the unit off.
2. Push the **KNOP button** at the same time as turning the unit on.
3. Push the **KNOP button** once more.
4. The display flashes 
5. Use the reset-button to select the transmitter that is to be deleted.
Tip: Hold the button down, and it moves up quickly.
6. Push the **KNOP button** to delete the selected transmitter.
7. When the transmitter has been deleted the display will show 
8. If the RX900-LED emits a humming sound and error code E04, no transmitter has been encoded on the RX900-LED.
9. Then exit the programming menu.

Delete all:

NB: This function will delete everything in the product.

1. Turn the unit off.
2. Hold the **KNOP** button down and turn on the unit.
3. The unit display will show .
4. Scroll down the menu with the **KNOP** button, until the display shows .
5. Hold reset-button down for app. 10-12 seconds. The product will emit some beeps during this procedure, and the RX will emit a sound. Then release the reset-button.
6. The display shows  once.
7. When the display shows  the product has been deleted.
8. Then turn off RX900-LED, and turn it on again.

Error codes:

- E01** = Error in the programming.
E02 = (Is not in use).
E03 = RX900-LED is full.
E04 = Nothing to delete, the unit is empty.
E05 = The transmitter has already been encoded in the product.
E06 = Encoding time has elapsed.

Memory:

RX900-LED will remember the last 10 calls received. If there is a call that has not been acknowledged, the display flashes "CALL MEM".

Press the reset-button to show the last call. Push the button to scroll down. When there are no more calls the display will show .

The list can be deleted by holding the reset-button down for app. 2½ secs., and the RX will emit a sound in reply.

Vibration mode:

NB: If no selection has been made, it will exit programming within 15 sec.

The vibrator will be turned off in the sound mode (reset switch in the center position).

1. Turn the unit off.
2. Push the **KNOP button** at the same time as turning the unit on.
3. Push the **KNOP button** until the display shows  888
4. Use the reset-button to select whether the function shall be ON/OFF.
ON: Vibration and sound in the center position.
OFF: Only sound in the center position.
5. Push the **KNOP button** to move forward in the menu.
6. Then exit the programming menu.

Charging:

The charger is connected to the DC-plug on the side of RX900-LED.

After a few seconds a spot in the display will be lit. If the battery has been completely discharged, RX900-LED will beep a couple of times when charging is begun.

When the charger is connected, the vibrator function will not be activated, but only a flashing spot will show that an alarm has been received.

With the ON/OFF-button positioned in the middle, the RX900-LED will emit a sound in the case of an alarm.

Charging will be finished after app. 3 hours.

Battery alarm:

The battery is checked every time an alarm is received.
If, low battery the unit will beep once every 20 sec, and show  in the display.
At low battery voltage the beeper is used instead of the vibrator.

Battery alarm from transmitter:

When a call is received from a transmitter with low battery voltage, the number of the transmitter and  will flash in the display while it beeps.

Cleaning:

The product may be cleaned with a damp cloth or alcohol tissue.

Disposal:



The product must not be disposed of together with general household garbage.

Control of coverage area:

A person activates a transmitter (ex. TX900-1) with short intervals, while another person is walking systematically around the area carrying the RX900-LED and marks the coverage area on an outline of the building and the outdoor area. The outline has to be kept in the office, so everybody who shall operate the system can see the covering area. Alarms cannot be received outside the covering area.
The covering area may be expanded by using a repeater system from KNOP Electronics.
Contact your dealer for further information.

Technical data RX900-LED:

Frequency:	869.212 MHz (FM)
Transmitter protocol:	KNOP900
Range:	>50m depending on the conditions
Channels:	400 channels
Battery type:	1 pc. of 2.4 NiHM (350mA/h)
Operating voltage:	3.3V
Operating time (expected):	10 days at 10 transmissions per day.
Low battery alarm/indicator:	app. 1/3 remaining capacity.
Power consumption stand by:	<300 μ A
Power consumption inactive:	<750 μ A
Power consumption active:	<50mA average on one transmission.
Ambient environment:	Indoor use. <90 % humidity non-condensing.
Ambient temperature:	0-40° C
Cabinet type:	White ABS
Cabinet dimensions:	W: 46mm, H: 85mm, D: 16mm.
Tightness:	IP30
Connections:	DC plug: 5VDC / 560mA.
Weight incl. batteries:	65g

Accessories:

Product:	Charger - 5Vdc / 560mA, Double insulated.
Article number:	ST-825

