Operating Manual RE429NT+
Quattrino tone, eco, voice, memo

We congratulate you on your new Pager from the RE429 family. You now have a device which dominates with its performance, equipment and operational safety. Despite the simple handling of the unit, we would recommend that you read through the operating manual thoroughly. We are sure that you will find a true and reliable companion in your Pager.

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Swissphone Telecom
Roosstrasse 53 CH-8832 Wollerau   PMA/D000120   edition 1 / 25. June 2004

1 Introduction

The unit has a large number of operational functions. The delivered unit contains a selection of these as a basic setting. These operating functions are shown in the display, and can be activated by the user. If this selection does not meet your requirements, additional functions can be programmed as required with the Programmig device. You can find information about the type and scope of functions that can be programmed in the operating manual, or you can contact your supplier or SWISPHONE directly.

2 Putting into operation

2.1 Power supply

This family of units is preferably operated using an environmentally-friendly, re-chargeable power source (batteries). These batteries are available in the AA (Mignon) size as nickel-cadmium 600 mAh (Sanyo) or NiMH (nickel metal hydride) 1400 mAh (Varta, Furukuwa), and can be re-charged by various types of re-charging unit. As an alternative, the unit can be fed from dry batteries. In this case, only high-quality dry batteries intended for professional use should be used (e.g., UCAR, Duracell, Varta etc.)

2.2 Inserting the battery

To insert the battery, proceed as follows:

1) Open the battery compartment by pressing down the tongue in the rear panel and pulling out the battery cover sideways. If necessary, use a coin as a tool.

2) When inserting the battery, please observe the correct polarity and the marking of the cells. Insert the supply source with the minus pole (-) leading, so that the spiral spring is slightly compressed, and then simply lay the battery into the battery compartment.

3) Replace the battery cover and push it in until the tongue latches into the rear panel of the housing.

2.3 Automatic switch-on

After inserting the battery in the battery compartment, an electrical connection is made, and the unit switches on automatically. A self-test of the signal generator, the LED display and the vibrator is started, and is completed by a control beep.

The receiver is switched on and its operational status can be read from the display. The battery status indicator shows the approximate energy level of the power source. If a self test does not take place, check the polarity of the power source, or place the pager into a re-charger. Various charging units are available (LG 300/429, (A)LGA 300/429, (A)LGRA 300/429, (A)LG500).

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2.4 Switching off

This takes place by simultaneously pressing the keys SELECT(1) and EXECUTE(2) for about 4 seconds. The frame of the battery symbol in the display blinks, and finally the symbol disappears from the display, and the pager is switched off.

2.5 Switching on

If the unit is switched off, you can switch on the pager operation by **simultaneously** pressing both operating keys SELECT(1) and EXECUTE(2).

Select (1)　　　　　Keys　　　　　Execute (2)
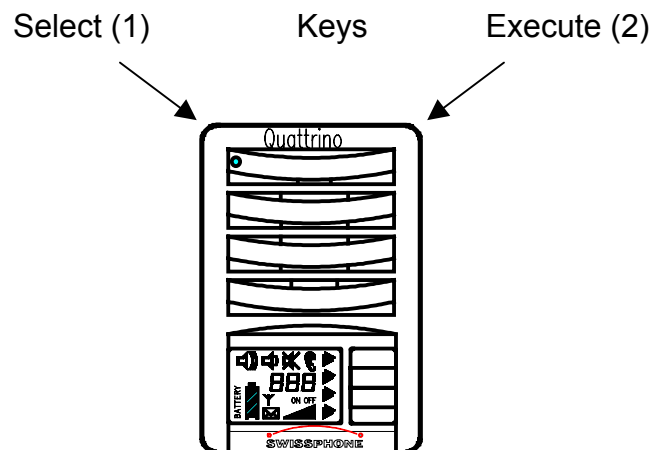
As a rule, a self-test takes place every time the unit is switched on, and briefly displays the following check pattern.
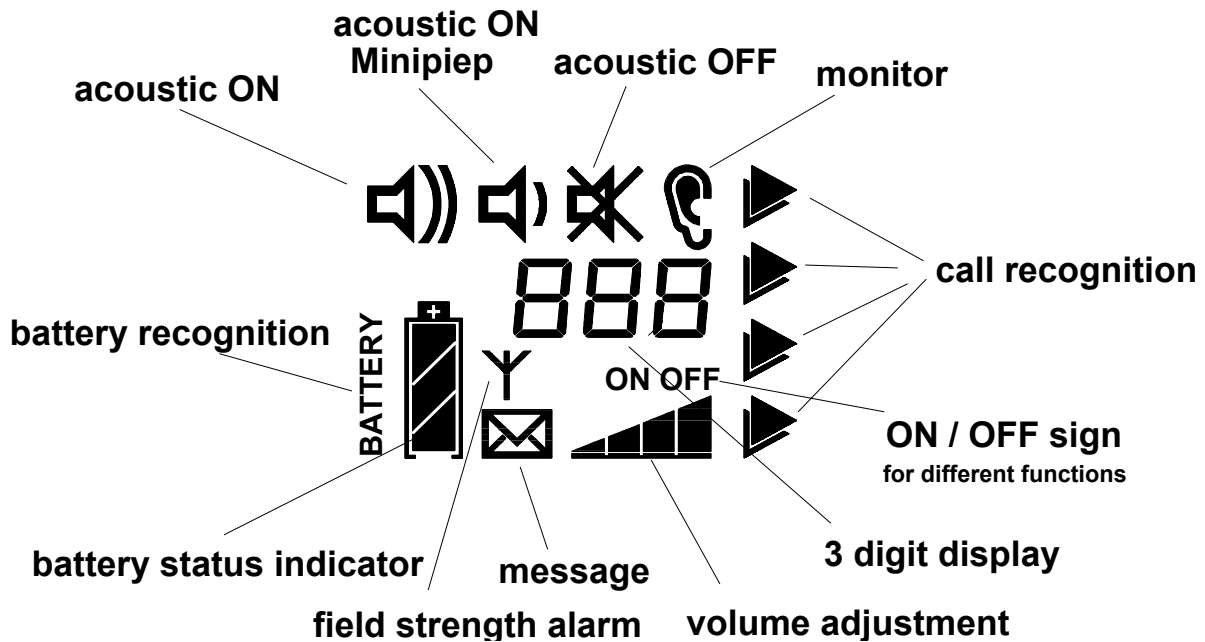
1. Display of the programmed operational functions by symbols in the display and sequential display of enabled addresses.
2. Control beeps
3. The LEDs light up
4. Short-term vibration

2.6 Selecting the operating status

The operation of the unit is very simple and ergonomic, and is designed for a high level of operational security. The keys are located in the upper left and right corners of the unit. The left-hand key (1) is SELECT, and the right-hand key (2) is EXECUTE. With the left-hand key (1), you can select the desired operational symbol. The symbol begins to blink. Using the right-hand key, the desired operational function can be acknowledged, and the symbol ceases to blink in the display. The sequence takes place depending upon how the symbol selection has been defined in the programming. Only those symbols will be sequentially displayed which have been enabled in the programming.

3   The complete LCD Displays

3.1   Quattrino voice, memo

acoustic ON

acoustic ON
Minipiep

acoustic OFF

monitor

call recognition

battery recognition

ON / OFF sign
for different functions

BATTERY

ON OFF

battery status indicator

message

field strength alarm

volume adjustment

3 digit display

.

3.2   Quattrino tone,eco

acoustic ON

acoustic ON minipiep

acoustic OFF

call
recognition

BATTERY

battery status indicator
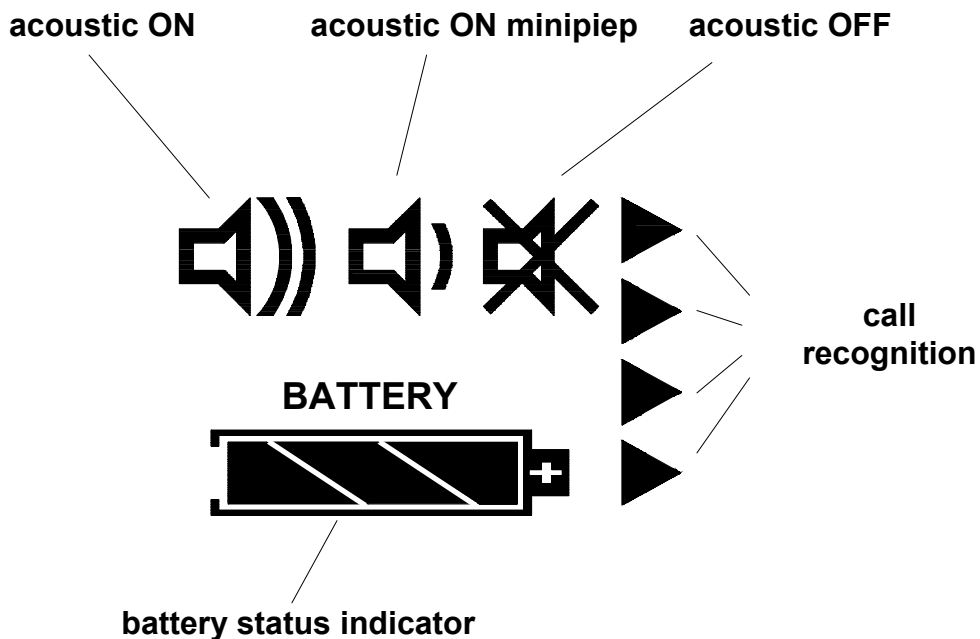
3.3   Acoustic ON

Incoming calls will be signalled simultaneously with a call signal and a vibration. In addition, the light display blinks in the upper left corner. Following this signalisation, you will hear the spoken announcement via the loudspeaker.

3.4   Mini-beep

Incoming calls are indicated by the vibrator, and then with short beep tones. The LED in the upper left corner also blinks. Finally, following this signalisation, you will hear the spoken announcement.

3.5   Acoustic OFF

Incoming calls are signalled only by the vibrator. There is no acoustic alarm, and no spoken announcement is heard.

3.6   Monitor   (Not for Quattrino tone, eco)

In this operational mode, you can hear everything that is spoken over the set radio channel. Calls addressed to you will be signalled "acoustically". If you wish to switch off the continuous monitoring / listening operation, select one of the acoustic symbols with key (1), and confirm this with key (2).

Notice to the point 3.1 until 3.4

Pager with the voice memory will record the spoken message than when with the proper programming voice memory has been assigned to the proper address and alarm type has been set to "Voice" or "Tone and Voice" status. In monitor mode spoken message will be only recorded when proper address has been activated. Voice memory can be in the programming assigned to the address fix or dynamically and recording time can be set to 4x15, 3x20, 2x30 or 1x 60 sec.

3.7   Volume   (Not for Quattrino tone, eco)

The announcement volume can be adjusted to 4 levels. (The volume of the call signal, however, is unaffected). With key (1), select the volume symbol. Using key (2), you can now select the desired level 1, 2, 3 or 4, which you can then acknowledge with key (1). Level 1 is the quietest level, and level 4 the loudest. Level 3 corresponds to the nominal volume.

3.8   Field strength alarm   (Not for Quattrino tone, eco)

Functional in radio networks with cyclical transmission sensing only.

This symbol appears as soon as you are no longer within the reception range. In addition, a short term, acoustic beep signal sounds at regular intervals (depending upon the acoustic setting, this could possibly only be a vibration signal).

You have the possibility of switching the field strength alarm off. Select the menu symbol Field Strength using key (1). The symbol starts to blink. Now acknowledge the Field Strength Alarm OFF by pressing key (2). The field strength symbol is no

longer visible. By incorrect reception, the field strength alarm will only be indicated optically in the display. The acoustic field strength alarm can be switched on again in the same way. After confirmation (1), the field strength symbol remains visible for about 8 seconds, and then disappears if the field strength is sufficient.

3.9 Address display ꓱ ꓷ ꕐ (Not for Quattrino tone, eco)

This 3 seven segment character serves as an address display. This free programmable character can be assigned to the max. 8 addresses of the pager. They will appear during the alerting of the proper address, during retrieving of the proper call and during switching ON and OFF of the proper address.

3.10 Switching ON and OFF of the activated addresses (Not for Quattrino tone, eco)

After the selection of the menu "*Adr*" it starts to blink. Now You will display the first activated address by pushing the execute button. Ist sign (number, character ie) appear in the display. Simultaneously it will appear the sign ON or OFF depending of the current status (switched ON or OFF) of the address. Both "*Adr*" and the status (ON or OFF) are simultaneously blinking. Now You can during the blinking change the status with the execute push button which has a toggle function. With select button You can continue to the next address. In the case that after the selection of the "*Adr*" the signs ON and OFF does not appear in the display means that this address is not set by programming to be switchable.

3.11 Message ✉ (Not for Quattrino tone, eco)

After the selection this symbols with the select button You can cause retrieving of all current stored voice messages. (Possible only when pager has a speech memory).

3.12 Battery status indicator

| BATTERY | 100% - 80% | BATTERY | 80% - 33% | BATTERY | 33% - 13% | BATTERY | 13% - 0% |
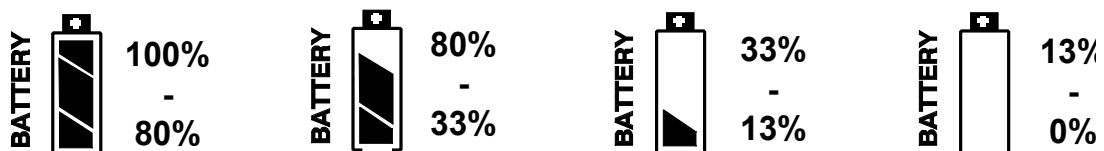
With the operation switched on, the battery symbol is permanently visible in the display, and shows the energy level at all times. If the energy source is completely used up, the empty battery symbol blinks continuously. If the acoustics are switched on, a regular beep tone is heard simultaneously. An operational time of 3 - 5 hours is still available.

3.13 Battery / accumulator recognition

After a new energy source has been installed, the pager always knows whether this is an accumulator or a dry battery. The switch-on procedure with self-test is only possible if the battery or accumulator voltage is greater than 1.24 V. The information as to whether a battery or accumulator has been loaded is then stored in the pager. For accumulator operation, only the accumulator symbol appears in the LCD display. If a battery is recognised, the text "BATTERY" appears next to the accumulator symbol.

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Note:
If the newly-inserted energy source (battery or accumulator) is only slightly charged, the pager is not able to recognise at first whether it is a battery or an accumulator. For this reason, it is first assumed that the inserted energy source is an accumulator, and the charging current is switched on. Immediately afterwards, the voltage of the energy source is measured and monitored. With a supply voltage of 1.24 V, the switch-on test takes place, and the pager recognises either a battery or an accumulator. The pager then stores this information. If an accumulator has been inserted, the re-charging continues, and if a battery, the re-charging is immediately stopped.

3.14 New message
Depending on the operational mode, incoming calls will be signalled via the loudspeaker and the vibrator together. In addition to the complete alerting, you can listen directly to the incoming spoken announcement, after which the LED light display in the upper left corner blinks. 3 seven segment character (Not for Quattrino tone, eco) and the address arrow shows you at a glance which memory address has been seized. If seized addresses or calls are not acknowledged, a reminder call occurs in the preprogrammed time slots. This can take place acoustically and optically. For a "Tone only" message, the same alarm pattern takes place, and only the address arrow appears at the corresponding "Memory Address".

3.15 Call retrieving (Pager with the voice memory)
After pushing the Execute key (2) voice retrieving procedure will be started. It appears optical signalling of the proper address and spoken message will be retrieved from the voice memory. Are there more calls (2) recorded retrieving will continue without touching any other key.

3.16 Call signalling
Each of the eight call addresses can have a characteristic signalling pattern allocated to it. You can determine the pattern yourself through the programming, and it can last up to a maximum of 5 seconds.

3.17 Alarm timer (Not for Quattrino tone, eco)
Alarm timer can be activated by programming software. If activates than it appears in the display elapsed time since last alert. This time display has a format miutes and sconds (blinking) up to 9 minutes and 59 seconds

After 10 minutes it changes format to minutes and minutes sign

37'

After 60 minutes it appears only hours and sign for hours "h"

5h

Total running time is 12 hours and then the alarm timer will disappear. Reset of the alarm timer will be done with the execution button to quit the new message.

3.18 Acknowledgement / deletion

Briefly press the key (2), and the address arrow of the last message received will begin blinking for about 3 seconds. Simultaneously, the LED in the upper left corner will indicate the corresponding address pattern and the address appears in the display. To delete the alert, press key (2) while the address arrow is blinking. The alert will be deleted. The last received and already deleted alert remains stored in the background, the address arrow and the address display can still be called up with key (2), until you switch off the unit.

4 General

4.1 Battery operational life

75 - 120 hours depending on the operational mode programmed and the battery used.

4.2 Week battery

A low battery / accumulator is recognisable by the empty battery symbol, and should be replaced / re-charged as soon as possible.

Note: Please use the batteries recommended by the supplier only.

4.3 Illumination

A background illumination for the LCD, which is switched on with every key switch, enables you to read the operational status of your unit in the dark.

For the connection of various additional units, e.g., output to a PC, printer, or for battery charging.

4.4 Accessories

a) LG300/429 intelligent charging unit
b) LGA300/429 intelligent charging unit with aerial connection
c) LGRA300/429 intelligent charging unit with aerial connection and relay output
d) PGM300/425 Programming unit

4.5 Customer service

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With this unit, you have purchased a high-quality product. If there should be a problem in its operation, despite following these instructions, please return it to us in the original packaging.

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