SWISSPHONE
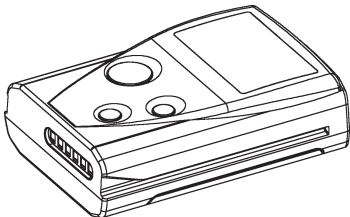
**Operating instructions
Swissphone DE920, DE920 Ex, DE940
Alphanumeric POCSAG pager**

Contents

Preface

We would like to congratulate you on your new receiver. In purchasing the new Swissphone DE920/DE920 Ex/DE940 you have decided on a device of the highest quality. The Swissphone DE920/DE920 Ex/DE940 is a convincing product thanks to the most effective combination of an attractive design, simplest of operation and highest of quality.

These operating instructions provide you with information on how to get the most from your device. Always keep them readily to hand. The Swissphone DE920/DE920 Ex/DE940 pager can be configured for the particular application. For this reason, it is possible that functions described in these operating instructions may not be available on your device. We hope you will enjoy reading through these operating instructions and using your Swissphone DE920/DE920 Ex/DE940 pager.

ℹ️ Special information on additional and useful functions.

⚠️ Warning

⚠️ **Important information for DE920/DE940**

• **Do not operate this product in hazardous atmosphere or explosion risk areas!**
• **Do not open device or remove labels!**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

WARNING – Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

⚠️ **Important information for DE920/DE 920 Ex/DE940**

• Do not open device or remove labels!

⚠️ **Important information for DE920 Ex**

• For explosion prevention reasons, no anti-scratch plastic film may be placed on the DE920 Ex display.

Display

Battery condition indication

Field strength indication

Discrete alerting

New message

Loud alerting

Silent alerting

Alarm clock on

Clock

Menu text — MESSAGE

Position of the menu selection

Further menus

Press scroll key to select the next menu
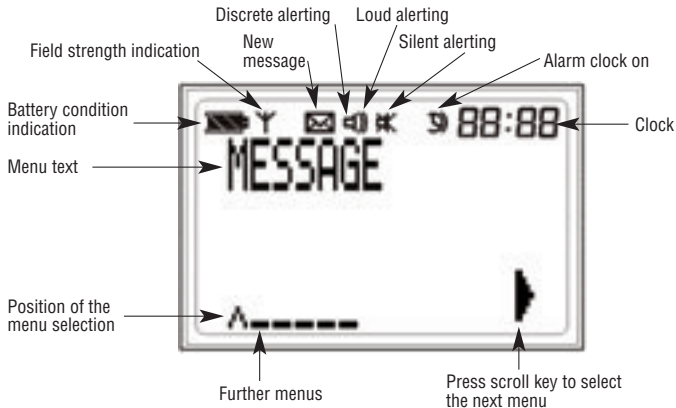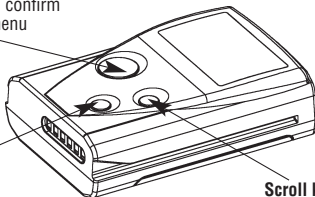
Keys

Confirmation key
(Read messages, confirm alarm, confirm menu selection)

Return key
(Alternatively, display user and status information, scroll back. Holding down the return key will display the selected menus or exit selected message)

Scroll key
(Display main menu, scroll through menus and reports, change settings)

Switching the receiver on

By inserting the battery, the Swissphone DE920/DE940 receiver is automatically switched on (see chapter, "Changing the Power Source").

⚠ **Important information for DE920 Ex**

The rechargeable battery of the DE920 Ex may only be replaced by certified service centres! If a non-certified service centre opens the device (including opening the battery cover), the explosion protection will be invalidated! For further information, please contact your specialist dealer!

Menu structure

Starting position: stand-by mode

MESSAGE
- **Read**
  └ Message selection
- **Delete**
  └ Message selection
- **Delete all**
- **Protect**
  └ Message selection

ALERT
- **Loud**
- **Discrete**
- **Silent**
- **Off**

ALARM CLOCK
- **On / Off**
  └ Selection
- **Set time**
  └ HH:MM
- **Snoozer**
  └ Number * time delay

STATUS
- **Status info**
- **User info**

By pressing the confirmation key, the message selection for "Read messages" is displayed directly.

By pressing the scroll key, the main menu is displayed.

ALERT OPTIONS
— **Profile**
  └ Selection
— **Alertpattern**
  └ RIC=>pattern
— **Call reminder**
  └ Selection
— **EA-Monitor**
  └ Selection
— **DynGo System**
  └ Information
— **Out of range**
  └ Selection

COMMUNICATION
(only DE940)
— **Callback**
  └ Selection
— **Pairing**
— **Coding**
  └ Selection

SETTINGS
— **Set time**
  └ HH:MM
— **Set date**
  └ Day DD.MM.YY
— **Language**
  └ Selection
— **Light**
  └ Selection
— **Battery**
  └ Selection
— **LCD contrast**
  └ Set
— **ECO mode**
  └ Selection

SWITCH OFF
└ **Are you sure?**

Messages

Individual messages received are alerted, displayed and stored in the memory. Single new (unread) messages are also identified by means of the envelope icon. The individual saved messages are displayed from left to right in the menus "read", "delete" and "protect" by means of icons, based on the time they were received. When a new message is saved all the messages are moved to the right by one position with the oldest message being moved into the automatic storage tray if the memory is already full. Protected messages are retained in the memory.

Reading new messages

A newly received message appears on the display immediately.

– Alerting is stopped by pressing any key.
– By pressing the scroll key, you can read the messages. Only once you have scrolled right through to the end of the message is the message considered as being read. At the end of the release time the receiver automatically reverts back to stand-by mode.

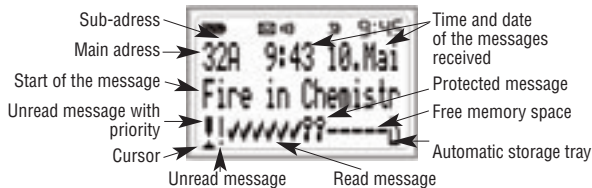**👤 Call reminder**

If your device has been configured with call reminder any unread messages are alerted again after the pre-set time (see chapter "Alarm options"). The call reminder is switched off as soon as the particular message(s) are read.

Reading messages

Starting position: stand-by mode

– Press the confirmation key to display messages. The cursor is then on the most recent message.

Sub-adress
Main adress
Start of the message
Unread message with priority
Cursor
Unread message
Read message
Time and date of the messages received
Protected message
Free memory space
Automatic storage tray

32A 9:43 10.Mai
Fire in Chemistr
!!wwww??----

– Press the scroll key to select the next message
– Press the confirmation key to read the selected message. The first 3 lines of the message are displayed
– Press the scroll key to read the whole message

ℹ️ Reading messages with the confirmation key

You also have the possibility of directly scrolling through and reading all messages directly with the confirmation key.

ℹ️ Simple operation

If your receiver is configured for simple operation, then you get directly into the most recent message by using the confirmation key. As soon as you have read it, the next unread message is displayed. In order to reach the main menu, press the scroll key and return key simultaneously for at least 2 seconds.

ℹ️ Illuminated display

To switch on display illumination manually, press the confirmation key for 1 second. To switch the display off again press the confirmation key again for 1 second. The display will be switched off automatically at the latest when the receiver reverts back to stand-by mode.

Message folder

Title of the message folder ⟶

1 to 2 message folders ⟶

The DE920/DE920 Ex/DE940 can show a maximum of two message folders, depending on how it has been programmed. When selected the title of the message folder is displayed in the menu list. Press the confirmation key in order to display the messages in the messages folder. The messages can then be read with the help of the scroll key.

ℹ️ **New (unread) messages in the message folders are not highlighted by means of an envelope icon**

Deleting individual messages

Starting position: stand-by mode

– Press the scroll key and the "MESSAGES" menu is displayed
– Press the confirmation key
– With the scroll key, select the "Delete" menu and press the confirmation key
– With the scroll key, select the message, which is to be deleted
– Press the confirmation key to delete the message
– Press the confirmation key again to delete all messages or the return key to abort the process

Deleting all messages

Starting point: stand-by mode

– Press the scroll key and the "MESSAGES" menu is displayed
– Press the comfirmation key
– With the scroll key, select the "Delete all" menu to delete all messages
– Press the confirmation key. The question appears, "Are you sure?"
– Press the confirmation key again to delete all messages or the return key to abort the process

Protecting messages
Protected messages are not overwritten by more recent messages and therefore remain until they are deleted.

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– Press the confirmation key
– With the scroll key, select the menu "Protect"
– Press the confirmation key
– With the scroll key, select the message required
– Press the confirmation key to protect the message

Alerting

Alarm settings differentiate essentially between messages with and without priority. This depends on how the particular receiver address (RIC) is configured.

In the alarm options menu the Swissphone DE920/DE920 Ex/DE940 can be configured to "loud" (loud alerting with vibrator), "discrete" (mini beep with vibrator), or "silent" (vibrator only) and "off" (visual display only).

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "ALERT OPTIONS" menu
– Press the confirmation key
– With the help of the scroll key, select the required alarm option
– Press the confirmation key to accept the alarm option selected

ℹ Messages with priority

With loud alerting the alarm is twice as long for messages with priority than for normal messages. With all other types of alerting messages with priority are firstly signalled by means of a vibrator and then loudly with a vibrator.

The following table illustrates the type of alerting for each configuration.

	Symbol	Alerting	Alerting of messages with priority
Loud	⊲))	▬▬▬▬▬▬ Standard signalling	▬▬▬▬▬▬▬▬▬▬▬▬ Doubled standard signalling
Discrete	⊲	▫ ▫ ▫ ▫ ▪ 10 seconds vibration then mini beep	▫ ▫ ▫ ▫ ▫ ▬▬▬▬▬▬▬ 10 seconds vibration then doubled standard signalling
Silent	⊼	▫ ▫ ▫ ▫ ▫ 10 seconds vibration	▫ ▫ ▫ ▫ ▫ ▬▬▬▬▬▬▬ 10 seconds vibration then doubled standard signalling
Off			▫ ▫ ▫ ▫ ▫ ▬▬▬▬▬▬▬ 10 seconds vibration then doubled standard signalling

Acoustical alerting ▬▬▬   Vibration ▬▬▬

⚠ This device should not be brought near ear proximity. The very loud alarm tone could (permanently) damage your hearing.

Alarm clock

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "ALARM CLOCK" menu
– Press the confirmation key

Switching the alarm clock on and off
Starting position: "ALARM CLOCK" menu
– Press the confirmation key to select the "On/Off" menu
– Select "On" or "Off" with the scroll key
– Accept your selection with the confirmation key

ⓘ **Quitting alarm clock**
The alarm tone is switched off as soon as the any key is pressed. The alarm clock icon will blink as long as the repeat alarm is active. After the alarm repeat period the alarm tone starts again. If the confirmation key is pressed for at least 2s the alarm tone is switched off for the whole day. The alarm, however, remains switched on and will sound, once again, the next day.

Setting the alarm clock

Starting position: "ALARM CLOCK" menu
– Press the confirmation key to select the "Set time" menu
– Push the confirmation key
– With the scroll key set the hours and minutes and confirm respectively

Alarm repeat

Starting position: "ALARM CLOCK" menu
– With the scroll key, select the "Snoozer" menu
– Press the confirmation key
– With the scroll key, select the number of repeats and the time interval in minutes and confirm respectively

ℹ Switching-on with alarm clock

If the alarm clock is switched on and the receiver is switched off, the Swisspone DE920/DE920 Ex/DE940 will be switched on at the alarm time set and the alarm clock will sound.

Status Display and Battery condition indication

Status Display

Starting position: stand-by mode

– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "STATUS" menu
– Press the confirmation key

The following screen appears on the display:

Date	→	Tu 26. Oct. 2004
Alarm time	→	06:30 on
Number of unread messages	→	02 ✓ 06

Date → Tu 26. Oct. 2004

Alarm time → 06:30 on

Number of unread messages → ! 02 ✓ 06 ← Number of read messages
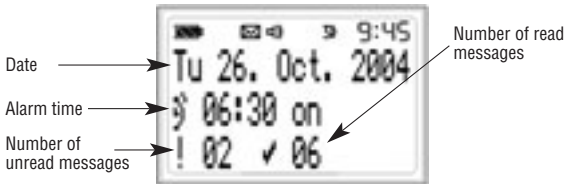
– If the scroll key is pressed, the Battery condition indication is displayed, otherwise the SWISS-PHONE DE920/DE920 Ex/DE940 receiver goes into the stand-by mode after the release time

ℹ️ Direct display of the status screen and of the Battery condition indication:
If the receiver is in the stand-by mode, then by holding down the return key the status information, the Battery condition indication and the user information are alternately displayed for 1 second.

Battery condition indication
Upon pressing the scroll button in the status display, you will see the battery display. It shows the remaining operating time in hours (approx. the number of hours the DE920/DE920 Ex/DE940 will still work with the inserted battery) as well as the battery type used.

```
▬▬  ☒◊   ⊃  9:45
Rem. Oper. Time
      915 h
Type: Alkaline
```

Alert options

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "ALERT OPTIONS" menu
– Press the confirmation key

User profiles
Starting position: "ALERT OPTIONS" menu
– Press the confirmation key to select the "Profile" menu
– Select a user profile with the scroll key
– Accept your selection with the confirmation key
– With the scroll key, switch advanced profile on or off
– Press the confirmation key

Alarm tones
Starting position: "ALERT OPTIONS" menu
– Press the confirmation key to select the "Alert pattern" menu
– With the scroll key, select a RIC with sub-address
– Press the confirmation key
– With the scroll key, select a melody. The melody is played during the selection
– Press the confirmation key
– Set a further alarm tone or press return to exit the "Alert pattern" menu

Call reminder

Starting position: "ALERT OPTIONS" menu
– Press the scroll key to select the "Call reminder" menu
– Press the confirmation key
– With the scroll key select between "loud" and "discrete"
– Press the confirm key

EA monitor

This function is only activated if your system supports "express alerting".

Starting position: menu "ALERT OPTIONS"
– With the scroll key, select the menu "EA Monitor"
– Press the confirmation key
– With the scroll key, select between "off", "discrete" or "loud"
– Press the confirmation key

DynGo system
This function is only activated if your device supports DynGo.

Starting position: menu "ALERT OPTIONS"
– With the scroll key, select the "DynGo system" menu
– Press the confirmation key and the DynGo program is displayed

Acoustic field strength alarm
Starting position: "ALARM OPTIONS" menu
– Press the scroll key to select the menu "Out of range"
– Press the confirmation key
– With the scroll key, switch the field strength alarm on or off
– Press the confirm key

Communication

In the "COMMUNICATION" menu, you configure how the DE940 communicates via Bluetooth with a connected mobile phone.

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "COMMUNICATION" menu
– Press the confirmation key

Callback
In the "Callback" menu, you select what response is issued to a received message. The selected response is forwarded via Bluetooth to a connected mobile phone.

Starting position: "COMMUNICATION"
– Press the confirmation key
– Press the confirmation key to select the "Callback" menu
– Choose and confirm one of the selection options with the scroll key

Pairing
With the "Pairing" menu, the DE940 is paired with a Bluetooth-enabled mobile phone so that the two devices can communicate with each other. Please also read the Operating Instructions of your mobile phone for this.

Starting position: "COMMUNICATION"
– Press the confirmation key
– With the scroll key, select the "Pairing" menu
– Press the confirmation key

Text "Searching" is shown on the display and the DE940 searches for Bluetooth-enabled devices in its vicinity. After a short period, you will see the Bluetooth name of the mobile phone found in the vicinity on the display. Press the confirmation. The two devices are now paired.

Coding
In the "Coding" menu, you configure whether the Bluetooth connection is to be coded. This setting is dependent on your mobile phone. Please read the Operating Instructions of your mobile phone.

Starting position: "COMMUNICATION»
– Press the confirmation key
– With the scroll key, select the "Coding" menu
– Press the confirmation key
– Choose and confirm one of the selection options with the scroll key

Settings

Starting position: stand-by mode
– Press the scroll key and the "MESSAGES" menu is displayed
– With the scroll key, select the "SETTINGS" menu
– Press the confirmation key

Setting the clock
Starting position: "SETTINGS" menu
– Press the confirmation key to select the "Set time" menu
– With the scroll key set the hours and minutes and confirm respectively

Setting the date
Starting position: "SETTINGS" menu
– With the scroll key, select the "Set date" menu
– Press the confirmation key
– With the scroll key select the year, month and day of the week and confirm respectively

Language
Starting position: "SETTINGS" menu
– With the scroll key, select the "Language" menu
– Press the confirmation key
– With the scroll key, select one of two pre-set languages
– Press the confirmation key

Light
If active, the background illumination is switched on with each operation.

Starting point: "SETTINGS" menu
– With the scroll key, select the "Light" menu
– Press the confirmation key
– With the scroll key activate or de-activate settings
– Press the confirmation key

Selecting the type of battery
The Swissphone DE920/DE940 receiver automatically identifies whether an alkaline battery or a re-chargeable battery is installed.
The type of re-chargeable battery installed (NiHM or NiCd) can be configured there (not applicable to DE920 Ex). On rare occasions, it may happen that a battery, which has already been used is identified as a re-chargeable battery when it is installed, or the other way round. In such cases, you can overwrite the automatic identification of the re-chargeable battery. Please ensure that the type of re-chargeable battery installed corresponds to the setting in the device. This ensures optimal indication of the battery charge level.

Starting position: "SETTINGS" menu
– With the scroll key, select the "Battery" menu
– Press the confirmation key
– With the scroll key, select between "Alkaline", "NiMH" and "NiCd"
– Press the confirmation key

Battery level indication

| 80 % – 100 % | 33 % – 80 % | 13 % – 33 % | 0 % – 13 % |

When it is switched on, the battery icon is always visible on the display and indicates the amount of energy still available. Period of operation can be up to 1000 hours, depending on the power supply, network configuration and the type of operation programmed.

Should the energy source be virtually used up, the empty battery icon starts to blink and a regular reminder tone sounds. There is still an operating time of at least 24 hours available. By pressing the confirmation key, the battery alarm is switched off, the empty battery icon, however, continues to blink.

LCD contrast

Starting position: "SETTINGS" menu
– With the scroll key, select the "LCD contrast" menu
– Press the confirmation key
– With the scroll key, set the LCD contrast
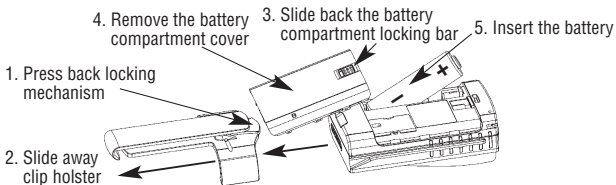– Press the confirmation key

ECO mode

If ECO mode is switched on the display will be completely switched off in stand-by mode. No status icons are displayed. The life of the battery can be considerably increased in this way.

Starting position: "Settings" menu
– With the scroll key, select the "ECO mode" menu
– Press the confirmation key
– With the scroll key, switch ECO on or off
– Press the confirmation key

Changing the power source (only DE920/DE940, not applicable to DE920 Ex)

Remove the clip holster and open the cover on the back of the receiver. Insert the power source supplied into the compartment and in doing so pay ensure that the polarity is correct.

4. Remove the battery compartment cover

3. Slide back the battery compartment locking bar

5. Insert the battery

1. Press back locking mechanism

2. Slide away clip holster

The following power sources of the size AA, or., L6, or AM3 (Mignon) can be used:
• Alkaline: leak-proof alkaline-dry batteries

⚠ NB: alkaline batteries should not be charged or re-charged. Danger of explosion!

• Re-chargeable batteries, either nickel cadmium or nickel metal hydride. For safety reasons, to re-charge use a charger from the original Swissphone range of accessories.

⚠ WARNING: Do not dispose of batteries and re-chargeable batteries in fire. Risk of explosion!

⚠ WARNING: Keep batteries out of reach of children under 3 years old.

The Swissphone DE920/DE940 receiver is automatically switched on when the battery is inserted. A test is done whilst all loads in the device are activated temporarily. The device then is ready to receive messages.

ℹ NB:
For optimal indication of the battery or re-chargeable battery levels, the type of re-chargeable battery installed has to be set using the operation in the device (see chapter: "Selecting the type of re-chargeable battery").

Power source for DE920 Ex

The rechargeable battery of the DE920 Ex CAN NOT BE REPLACED by the user! The rechargeable battery of the DE920 Ex may only be replaced by certified service centres! If a non-certified service centre opens the device (including opening the battery cover), the explosion protection will be invalidated! For further information, please contact your specialist dealer!

Charging the DE920 Ex power source

The DE920 Ex rechargeable battery is ONLY to be charged IN A NON-HAZARDOUS ATMOSPHERE and/or an AREA NOT AT RISK FROM EXPLOSION! If charging is carried out in hazardous atmosphere or explosion risk areas, the explosion protection can no longer be guaranteed during the charging process!

Servicing the DE920 Ex

The DE920 Ex may only be repaired and serviced by certified service centres; otherwise the explosion protection will be invalidated!

Programming the DE920 Ex

The DE920 Ex can only be programmed by means of the programmer «SGA Professional»; older programming devices can not be used!

Switching on and off

Switching off
Starting position: stand-by mode

Press the scroll key and the menu "MESSAGES" is displayed
– With the scroll key, select the menu "SWITCH OFF"
– Press the confirmation key. The question, "Are you sure?" appears
– Press the confirmation key once again to switch off the receiver

Switching on
Hold down any key for a longer period to switch the receiver on.

Switching on with alarm clock
If the alarm clock is switched on and the receiver is switched off, the Swissphone DE920/DE920 Ex/DE940 will be switched on at the alarm time set and the alarm clock will sound.
In order to set the alarm clock, please refer to "Setting the alarm clock".

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Customer Service: