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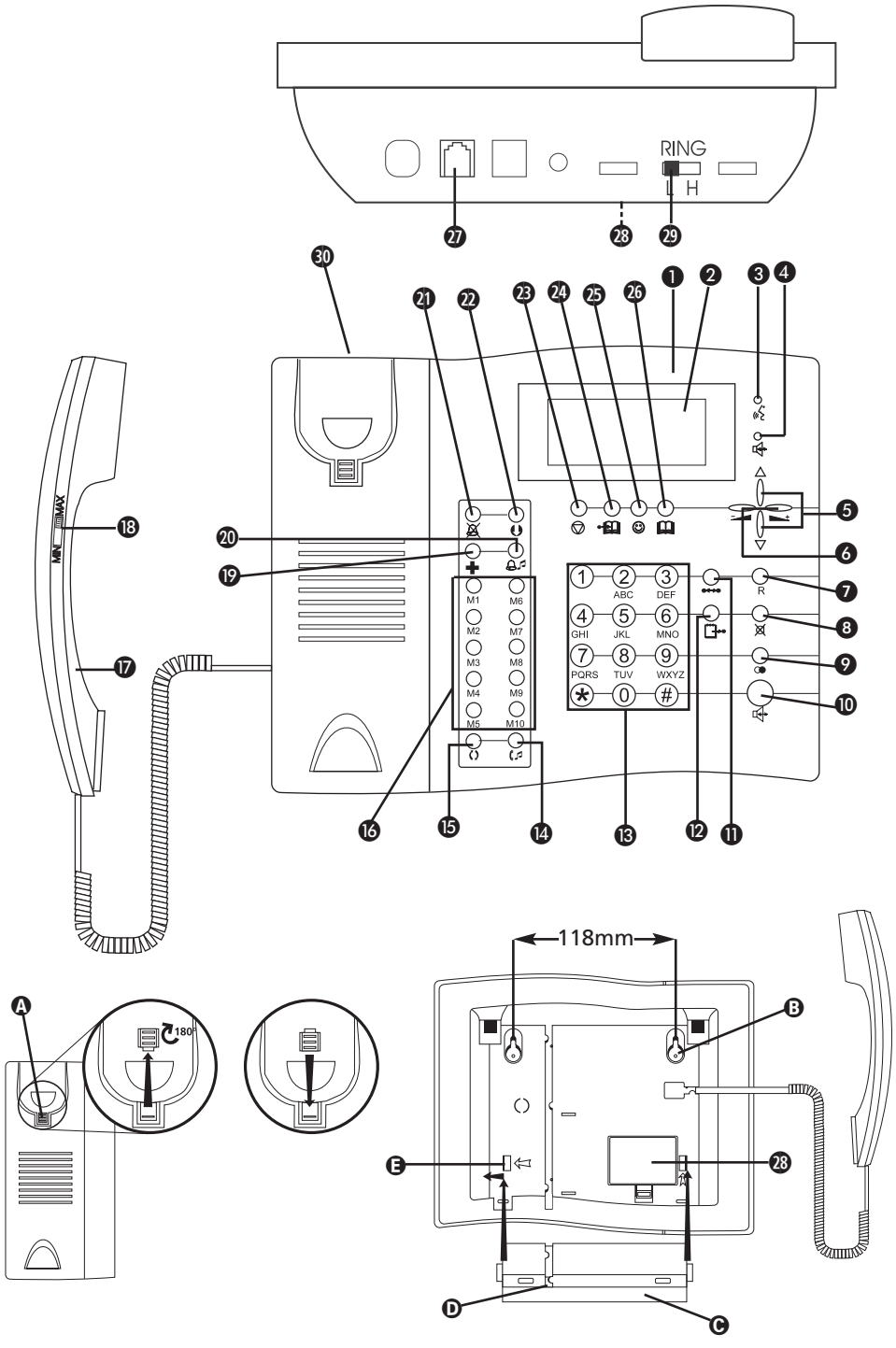
GB **Analogue comfort telephone KH5001**
Operating Manual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Analogue Comfort Telephone with hands-free function e-bench KH 5001

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Keep this manual for future reference and pass it on with the equipment to any future users.

Telephone KH5001

1. Intended Use

The product is intended:
- for connecting to PABX phone lines and for directly connecting to the analogue Public Switching Telephone Network (PSTN) lines.
- private use.

This product is **not** intended:
- for connecting to digital phone lines (e.g. ISDN).
- for any other purpose that may cause damage in case of machine failure.
- for use in commercial areas of application.

2. Technical Data

Functions:	Hands-free speaking, Sleep and VIP function, Mute switch, Music-On-Hold, Redialling, Automatic dialling, Call duration metre, Alarm function, 48 Ring tones

Network features

Dialling modes:	Tone / Pulse
Flash function:	80-900 ms
Network functions:	CallerID,Mailbox display

Memory

Target dialling memory:	10
Phone book:	32 entries
Incoming call list:	65 entries
Dialled list:	8 entries
Single button emergency call:	1 number
Power requirement for memory preservation:	3 x 1,5 V (UM4/AAA)

3. Package contents

The "Comfort Telephone" set includes:
1 Telephone unit
1 Receiver
1 Spiral cord for the receiver
1 TAE connector cord
1 Operating manual
1 warranty card
1 spacer piece

4. Safety Instructions

Warning! To prevent malfunctioning of and damages to the phone:
- Use the appliance only in dry rooms and never in excessively humid premises..
- Do not keep the appliance in a place directly under the sun or near other heat-generating appliances (e.g. heaters).
- Do not attempt to open or repair the phone. In this case, the device is not safe and the warranty is voided. Only authorised technicians should be allowed to repair a defective appliance, if necessary.

- Do not allow individuals (including children) to use the appliance whose physical, sensorial or mental abilities or lack of experience and knowledge hinder their safe usage of it if they have not previously been supervised or instructed in its correct usage. Tell children about the appliance and its potential dangers so that they do not play with it.
- Disconnect the appliance from the TAE socket in the event of a thunderstorm.

ⓘ This appliance is equipped with non-skid rubber rests. As the base surface may be made of a variety of materials and generally treated with different cleaning agents, it cannot be completely ruled out that some substances contain ingredients which may corrode the rubber rests and soften them. If required, place a non-skid base under the rubber rests of the appliance.

Warning! To prevent malfunctioning of and damages to the telephone network:

- This phone carries a general **permission** of the telecommunication department. Users may, therefore, connect the appliance to the PSTN lines if the following conditions are met:

– **This phone is intended for operation on analogue (conventional) telephone lines.** It cannot be connected under any circumstances to lines belonging to digital systems (e.g. ISDN).

– **This phone can only be connected to a TAE socket using the connecting cord supplied along.** Another type of cord may have a different pin assignment.

– **This phone can only be connected to the telephone network by inserting the requisite plug.** Under any circumstances, the mounted plug components should not be separated.

If these conditions are not complied with, the phone no longer satisfies the regulations governing the permission for connecting to PSTN lines.

5. Operating elements

❶ Telephone
❷ Display
❸ Call list entry / Incoming call
❹ Speaker active
❺ Carrying out adjustments/Browsing the call history list (incoming calls)
❻ Adjust volume
❼ Flash key
❽ Mute microphone / Changing dialling mode briefly
❾ Redialling or Pulse
❿ Hands-free phone / Enabling speaker
⓫ Prefix dialling / Alarm function
⓬ Browsing the call history list (outgoing calls)
⓭ Numeric pad
⓮ Hold with Music
⓯ Auto redialling
⓰ Memory dialling buttons
⓱ Telephone receiver
⓲ Adjusting receiver volume
⓳ Single button emergency call
⓴ Selecting Ring tones
㉑ Sleep mode
㉒ Telephone setting mode
㉓ Deleting settings
㉔ Saving number from the call list to Phone Book
㉕ Defining VIP call numbers

㉖ Calling Phone Book / Saving settings
㉗ TAE connecting cord
㉘ Battery compartment
㉙ Adjusting Ring tone volume

6. Connecting

If you have carefully read through the safety instructions, you may now connect the phone:

a) Connecting the receiver
- Insert the **spiral cord** connectors into the narrow sockets...
- on the left side of the **telephone unit**...
- and below the **receiver**.

b) Connecting to the PSTN line
- Insert one end of the **plain phone cord** into the large socket at the back of the **Telephone** and the other end...
- into the socket marked "**F**" on the **TAE socket** (connection to the PSTN line). In the case of sockets with 3 inlets sockets this is the middle socket.

c) Inserting the batteries

㉘ Open the battery compartment cover on the rear side. Insert three UM4/AAA type batteries of 1.5V. Make sure that the "+" sign on the batteries matches with the alignment seen inside the battery compartment.

d) Changing the batteries
- Change the batteries as soon as possible if the display window shows the alert "BATTERY LOW".

ⓘ Used batteries should not be disposed of in the household waste. Return these to your retailer or to an appropriate collection site for disposal.

7. Wall Mounting

For mounting the appliance on a wall select a position which is both level and at which there are no electrical cables or pipelines for water, gas or drainage installed.

- Remove the phone fuse Ⓐ below the phone retaining fork, turn it through 180° and then push it back in until it firmly engages.
- Place the spacer piece Ⓒ in the groove on the left side Ⓔ of the underside of the telephone and press it down until it engages in the groove on the right side.
- Lay the connecting cable in the cable channel Ⓓ of the spacing piece Ⓒ.
- Hang the telephone by the wall bracket Ⓑ, using 2 screws fixed in the wall and spaced at a distance of 118 mm.

8. Initial settings

After the first insertion of batteries the following functions are called up with the receiver on the hook:

a) Selecting the display language
Selecting the language of your choice for messages in the display window:

❺ Press the ▲ ▼ button, till the desired language appears in the display window.
㉖ Press the 🕮 button, to save the selected setting.

If this function is not presented automatically – or, if you wish to once again call this function at a later point of time: This can be done through the programming mode as described under Section 8.

b) Allocating the memory capacity

ⓘ This function, as described here, will appear only when starting the operations in a new phone – it cannot be recalled later! However, you can call this function only by removing the batteries for more than 10 minutes. In such case, all entries in the Phone Book and other settings are lost.

Phone Book and Incoming call list share a common memory area. The following memory allocation is preset at factory:

– **32** entries for the **Phone Book:**
– **65** entries for the **Incoming call list**

Using this function, you can change the memory allocation between Phone Book and Incoming call list:

Phone book:	Max. 112 entries
Incoming call list:	Max 91 entries

❺ For this, press the ▲ ▼ button to change the number of entries for the Phone Book. If you...
– **decrease** the preset number, the Incoming call list will be increased by a corresponding number,
– **increase** the preset number, the Incoming call list will be decreased by a corresponding number.

Setting the Phone Book size alone is enough to achieve this. As this concerns the memory allocation, any changes made for one of the two numbers will affect the other number.
㉖ Press the 🕮 button, to save the settings.

9. Basic settings

The functions described here are only accessible in the programming mode.
To call the programming mode,...

㉒ hold the ⏻ button for at least 3 seconds while the receiver is on hook. Now the display starts blinking with the selected language.
㉒ Each time you press the ⏻ you can scroll through all setting options.

To terminate the programming mode, ...

㉖ press the 🕮 button twice, or...

• refrain from operating any button for more than 10 seconds. The phone will return to the normal operating state.

a) Changing the display language

If you have called the programming mode, first the set language will start blinking in the display window. You can change this as described under 7.a).

b) Adjusting the display contrast
If you have called the programming mode, ...

- press the [⏻] button repeatedly till the text "SET LCD CONTRAST" is displayed.
- press the [▲] [▼]button to change set value according to your personal preference.
- press the [⏻] button again to confirm your choice and move on to another setting option.

c) Setting Date / Time
If your telecom provider is offering the feature "Caller ID", the time and the date (besides the year) are automatically set. If this is not the case, you can make the settings yourself:

If you have called the programming mode, ...

- press the [⏻] button repeatedly till the digits for the **year** start blinking.
- press the [▲] [▼] button to change the set digits.
- press the [⏻] button repeatedly till the digits for the **Month** start blinking.
- press the [▲] [▼] button to change the set digits.
- press the [⏻] button repeatedly till the digits for the **Day** start blinking.
- press the [▲] [▼] button to change the set digits.
- press the [⏻] button repeatedly till the digits for the Hour start blinking.
- press the [▲] [▼] button to change the set digits.
- press the [⏻] button repeatedly till the digits for the **Minutes** start blinking.
- press the [▲] [▼] button to change the set digits.
- And finally, press the [⏻] button again to confirm your selection and to move on to the next setting option.

d) Setting the Local Code
If you set the prefix for your local network, it will be suppressed while displaying phone calls from the own local network.

If you have called the programming mode ...

- Press the [⏻] button repeatedly till the text "SET LOCAL CODE" is displayed and the first digits start blinking.
- Press [▲] [▼] to set the **first digit**.
- Press the [⏻] button again till the next digit starts blinking..
- Press the [▲] [▼] buttons to change the **next digit**.

  Repeat these steps for **all the other digits** , till your local dialling prefix is set. If you do not wish to set all the 5 digits, simply set the open digits to "-".

- Press the [⏻] button again to confirm your selection and to move on to the next setting option.

e) Setting the dial tone code
Is your telephone connected to a PABX? If not, you can skip this item.

ⓘ If, however, a dial tone needs to be requested first, you can set the dial tone code here. This will be automatically prefixed after selecting a call number from the memory by pressing the ⇤⇥ button twice (see also Section 9f).

㉒ Press the ⏻ button repeatedly till the text "PREFIX" is displayed.
❺ Press ▲ ▼ to set the Local Code. In the display...
- a short Flash pulse will be prefixed
- a short Earth pulse will be prefixed as Local Code
- **no Local Code** will be prefixed

or you can select any digit between **0...9** as Local Code (in most of the PABX installation "0" is used as the Local Code.

㉒ Press the ⏻ button again to confirm your selection and to move on to the next setting option.

f) Setting duration for Flash pulse
Various services such as Call Forwarding require a Flash pulse which you can initialise with the button R. In order that this will not be misinterpreted as "On hook", this pulse should not be too long, however, long enough to be identified as Flash pulse.

Ask your service provider or refer to the user manual for the PABX as to how long the Flash pulse should be. The factory setting is 100 ms and for most of the appliances this is sufficient.
㉒ Press the ⏻ button repeatedly till the text "FLASH TIME" is displayed:
❺ Press ▲ ▼ to change the setting. Select the value specified by your service provider or your PABX.
㉒ Press the ⏻ button again to confirm your selection and to move on to the next setting option.

g) Selecting the ring tone
Using this function, you can select the desired ring tone from among 48 ring tones:

⑳ Press the ♫ button repeatedly or the ▲ ▼ button till the desired ring tone is heard.
❿ To save the change to terminate this function, press the ⇤ button twice or just wait for a few seconds.

When you press the button once the text "LINE IN USE" is displayed: If you press it again, the phone is again ready for operation.

h) Setting the ringer volume
Using this function, you can adjust the volume level for the ring tone set as above:
⑳ Press the ♫ button You can hear the set ring tone.
❻ Press the ◢ ◣ button repeatedly till the desired volume (Display: "1"..."4") is set..

⑩ For saving the changes and to terminate the function, press the [⇔] button twice.

When you press the button once the text "LINE IN USE" is displayed: If you press it again, the phone is again ready for operation.

ⓘ Using the switch "RING L/H" ㉙ additionally the ringer volume can be set to 1 (L) and the previously set volume (H).

i) Setting the dialling mode
Today many telephone sets are capable of transmitting the dialled number through Tone dialling mode to the service provider or to the PABX. Only the older machines still have the Pulse dialling mode:

– The **Tone dialling** can be identified while dialling by its double tone in the receiver.

– The **Pulse dialling** can be identified while dialling by its typical "beats" in the receiver.

The dialling mode is **automatically** set by the telephone: The dialling mode selected after connecting to the line will be stored.

j) Changing the dialling mode
As against the above-described function, you can change between the dialling modes. This is useful if, for example, your PABX requires a Pulse dialling mode, but you may need to use the Tone dialling mode for certain other services:

⑧ Press and hold the [⊠] button when the receiver is on hook. In the display window the following alternating messages appear:

"DIAL IN PULSE" – pulse dialling is enabled,
"DIAL IN TONE" – tone dialling is enabled.

⑧ Release the [⊠], button if the desired dialling mode is displayed.

10.Making a phone call

When the phone is connected correctly and you can hear the dial tone on pikking up the receiver:

a) Receiving phone calls
To receive an incoming phone call...

- **Pick up** the receiver off the hook or...

⑩ press the [⇔] button. This enables the hands-free mode. When the hands-free mode is on, you can pick up the receiver off the hook and listen to the call.

b) Terminating phone calls
To terminate incoming and outgoing calls...

- **Place the receiver on the hook** or...

⑩ press the [⇔] button, again when the hands-free mode is on.

c) Adjusting the receiver volume

⓲ Using the slider on the receiver, you can adjust the **receiver volume**. There are two levels (MIN / MAX) available here.

❻ With the receiver on the hook press the button , to set the ringing volume to one of four levels.

d) Call waiting and transferring

You can put your incoming or out-going calls **on call waiting** mode, for example, for enquiries or transferring a call to other users of PABX.

If your service provider or your PABX supports this function:

❼ Press the button R, to put a call on **call waiting mode.**

❼ Press the button R again to return from the call waiting to the **present caller.**

- You can simply put down the receiver when the caller to whom you wish to transfer the waiting **call, acknowledges the call.**

If your service provider does not support such a function and your phone is also not connected to a PABX:

⓮ Press the button, if you wish to put the caller on an **internal** waiting line of your telephones on waiting. Your caller will be presented with **music while on hold**, till you decide to press the button.

❺ Press the buttons, to **select from amonng the 16 tunes**, while the music is being played. A call waiting line without music is the **mute function**. Here too the call is kept on waiting:

❽ Press the button, if you wish to disable or enable the microphone during a call.

ⓘ In this, you can hear the caller but he cannot hear you.

e) Making a phone call

To make outgoing calls,...

- **Pick up the receiver** and dial the number or

❿ Press the **button** when **the receiver is on the hook**. With this the hands-free mode is enabled. During the hands-free mode you can pick up the receiver and continue speaking.

- You can also **dial the number first** and then pick up the receiver or press the button. The number is dialled automatically.

f) Dialling with Local Code

To dial a call number from the memory with prefixed Local Code, first the required number must be displayed.

㉖ For example, press the button and search for the desired number in the Phone Book (see also Section 9n).

⓫ Press the button twice. Instantly, the call number will be dialled along with the prefixed Local Code.

ⓘ In the case of the function described above, the phone will dial immediately. You need not pick up the receiver first or press the button. The Local Code can be prefixed from the memory functions (Phone Book, Dialled list and Target dial memory).

g) Redialling when line is busy

⑩ Pick up **receiver** or press the **button**

❾ Press the button, to redial the last dialled number.

Or...

⑮ Press the button, to **redial** the last dialled number for a set length of time (Auto-redial). This is possible only in hands-free mode.

h) Incoming call list / Dialled list

If your service provider has the provision in his range of services to transfer call numbers and the callers have not blokked such transfer of call numbers, the numbers will appear in **Incoming call list**. The numbers that you have dialled yourself are saved to a **dialled list.**

❺ Press the ▲ ▼ button, to **scroll through the Incoming call list**.

⑫ Press the button repeatedly, to scroll through the dialled list.

- As soon as you pick up the **receiver** or press the **button**, the number shown in the display window will be automatically dialled.

i) Assigning the target dialling buttons

Totally 10 target dailling numbers are available with assigned M1 - M10 buttons in your telephone set:

⑯ Hold one of the 10 target dialling buttons pressed or more than 3 seconds. As soon as the text " DDRN MEMORY" is displayed, enter the number which you wish to save to this target dialling button.

⑯ Press the target dialling button again **to save** the entry.

j) Target dialling

⑯ Press a target dialling button along with the number stored in it. The number will appear in the **display window.**

⑩ Pick up **receiver** or press the **button**, to automatically dial the **displayed number.**

㉓ Press the to **discard** your entry. Each time you press the button, you can delete one digit.

k) Changing the target dialling buttons

You can change the assigned buttons M1 - M10 for target dialling at anytime. For this, simply hold the target dialling button pressed for more than 3 seconds – and follow the same method as described under j).

l) Using the Phone Book

To call the Phone Book function, press the button when the receiver is either on or off the hook...

㉖ use the the button. When the text "EDIT ↑ SEARCH ↓" is displayed, ...

❺ use the ▲ button to select the function "EDIT ↑".

- When the text "PLS INPUT NAME" is displayed, you can use the key pad to enter **letters**:

  – Press the required digit button repeatedly till the letter under the digit is displayed in the display window (e.g. press the button 8 three-times for the letter "V").
  – If you do not enter anything for more than 1 second, the display moves on the next digit.
  – If you do not enter anything for more than 15 seconds, the function will be cancelled.

㉖ Press the 📖 button again to save the entered name and to move on to enter the number:

- Enter the number.

㉖ Now press the 📖 button again, to save, the number and the corresponding name
㉓ or press the ⓥ button to **discard** your entry. With every pressing of this button, you can delete one digit at a time.

m) Copying Phone Book entry from the list

You can also copy a number from the **Incoming call list** or **dialled list** in the phonebook:

㉖ to return to the standard status, press the button 📖 twice or do not press any buttons for at least 10 seconds.

- Retrieve the number to be copied from the list into the display window and ...

㉔ Then press the 📇 button. The text "COPIED INTO BOOK" is displayed for confirmation.

If the text "ERROR" is displayed, this number is already available.

n) Dialling from the Phone Book

To call the Phone Book function, press the...

㉖ 📖 button, when the receiver is either on or off the hook. When the text "EDIT ↑ SEARCH ↓" is displayed, ...
❺ use the ▼ button to select the function "SEARCH ↓"..

- When the text "PLS INPUT NAME" is displayed, you can use the key pad to enter **letters:**
  Press the required digit button repeatedly till the letter under the digit is displayed in the display window (e.g. press the button 8 three-times for the letter "V").
  Instantly, the Phone Book will list the first entry starting with this letter.

❺ Press the ▲ ▼ buttons, to scroll through the other entries till the desired Phone Book entry is displayed.
⓫ If you need the fixed Local Code, press the ⊷ button twice (see also Section 8e).
⓾ Pick up the receiver or press the 📞 button to automatically dial the displayed number.

o) Deleting Phone Book entry
If you see the Phone Book entry in the display window as described under m), ...

㉓ hold the ▽ button pressed till the text "ERASED" is displayed.

You can change the Phone Book entries by deleting them as described above and by saving a new entry.

11. Special functions

The following useful special functions are available on your telephone set:

a) Mailbox message
Some service providers offer a Mailbox service (e.g. like an answering machine). Whenever a message has been recorded into this, the service provider will send a message to the customer. On your phone ...

❸ the LED starts blinking twice every 6 seconds when new messages have arrived. Besides, a symbol is displayed in the display window. Retrieve this from your provider as instructed in the service offer.
❸ the LED starts blinking once every 6 seconds when a new entry has been added to the Incoming call list ("Missed Call"). Check the Incoming call list for new numbers as described under 9.h).

b) Sleep function
If you do not wish to be disturbed by the ringing of the phone, you can temporarily disable it. An adjustable time limit allows this state to be automatically cancelled ("Sleep").

㉑ Hold the ⊠ button pressed till the text "SLEEP" is displayed and the time display starts blinking.
With each pressing of the button, you can increment the time setting by 1 hour.
❺ or press the ▲ ▼ buttons to increase / decrease the setting by an hour up to maximum 24 hours.
㉑ Press the ⊠ button briefly during the Sleep period to cancel this state.

c) VIP Caller numbers
If during the Sleep mode certain caller numbers are nevertheless allowed to activate ringing, you can save them as so-called "VIP" Caller numbers.

If you wish to assign such a **VIP flag** to a call number:

- Bring into the display the phone number from the call history list (incoming calls) that is to be taken over.

㉕ Then hold the ☺ pressed. The symbol VIP is displayed for confirmation.

If you again want to erase the VIP marking on a phone number, bring into the display the "VIP" number from the call history list (incoming calls).

㉕ Press the ☺ button when the VIP number is displayed. Now the VIP symbol will be removed.

d) Wake-up alarm function
Using this function you can make your phone to ring precisely at a predefined time:

⓫ Hold the ⊷ button pressed when the receiver is on hook, till the text "SET ALARM TIME" is displayed and the digit for hours starts blinking.
❺ press the ▲ ▼ buttons to change the set digit.
⓫ press the ⊷ button again till the digit for minutes starts blinking.
❺ press the ▲ ▼ buttons to change the set digit.
⓫ Finally, press the ⊷ button again to confirm your settings.

ⓘ In the display window a **clock symbol will appear below on the right**.If you have set the time correctly, as described under 8.c, you will hear the wake-up alarm right on time.

If your service provider has the provision for information about time and date in his range of telecom services, setting the correct time is not required.

When the **alarm rings**, simply pick up the receiver,to disable the alarm ring /alarm function. The clock symbol will disappear from the display window.

If you wish to enable the alarm function with the preset alarm time again, ...

⓫ Simply press the ⊷ button briefly again. The clock symbol will appear in the display window.

e) Single button emergency call/baby call
You can program your phone in such a way that a previously saved number gets selected as soon as any button is pressed (Emergency Call or Baby Call function).

Enabling the Single button **emergency call:**

⓳ Hold the ✚ button pressed for more than 3 seconds till first the text "ON" is displayed in the window and shortly thereafter the text "PLS INPUT NUMBER".

- Now enter the number to be dialled.

⓳ Finally, press the ✚ button again to confirm the settings.

This function is now activated – on pressing any button the phone will instantly dial the set number. Using the automatically set hands-free function you can conduct conversations in your room leisurely.

Disabling the **Single button emergency call:**

⓳ Hold the ✚ button pressed for more than 3 seconds till the text "OFF" is displayed. The function is of course disabled but the saved number is retained in the memory.

Changing the Single button emergency number:

- For this, follow the same steps as described under "Enabling".

f) Deleting lists
If you wish to delete the Incoming call list or dialled list:

- Retrieve the lists as described under 9.h).

To **delete a single entry** in the display...

㉓ Press the ▽ button briefly To **delete** the entire list...
㉓ Hold the ▽ button pressed for more than 3 seconds. In this operation, entries in the dialling list with a VIP flag will not be deleted.

To delete a **VIP flag** ...

㉕ Retrieve the **VIP flag** to display it and press the ☺ button. The VIP flag is now deleted..

g) Delete all – "Reset"
If you wish to delete all settings and lists as well as the Phone Book,

- Unplug the phone cord from the socket (TAE socket)
- and remove the batteries from the phone for at least 10 minutes.

Thereafter, the phone is reverted back to the factory settings – however, the settings must be made all over again.

12. Is there a problem?

If something is not functioning properly, check first if all connections and settings have been made the way they are described in this **operating manual.**

Ask your **service provider**, about settings that need to be customised to the range of services offered – and, whether all features of this telephone set are supported at all.

If malfunctions do occur in spite of previously fault free operation, you may consider using the "Reset" function which, however, would mean making the settings all over again. If this still does not solve the problem, contact the customer service and get the telephone set checked.

Do not open the telephone unit – there are no user-serviceable components inside. Such attempts may damage the phone severely; besides, the appliance will no longer satisfy the regulations stipulated by the telecommunications department.

13. Cleaning and Care

- **To clean the appliance, only use a soft dry cloth.**
- Do not use any detergents or abrasive cleaners – the housing and especially the display could become matt.
- **Never immerse the telephone set in water or other fluids!** This can damage the appliance and severely impair the PSTN lines.
- Check the batteries at least once per year.

14. Disposal

Do not dispose of the device in normal domestic waste.

Dispose of the device over a registered waste disposal firm or through your communal waste disposal facility. Observe the currently valid regulations. In case of doubt, consult your waste disposal facility.

Battery disposal!
Batteries may not be disposed of with normal domestic waste. All consumers are statutorily obliged to dispose of batteries at the collection point in their community/district or with the original supplier.
The purpose of this obligation is to ensure that batteries can be disposed of in an environmentally-friendly manner. Only dispose of batteries when they are fully discharged.

15. Warranty and service

Please read the conditions for warranty and service centre addresses on the warranty card.

16. Conformity declaration

Kompernass GmbH hereby declares that the above Analogue Comfort Telephone KH5001 complies with the basic requirements and other regulations of the directive 1999/5/EG. The full text of the conformity declaration is available with the manufacturer for public scrutiny.

17. Importer

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