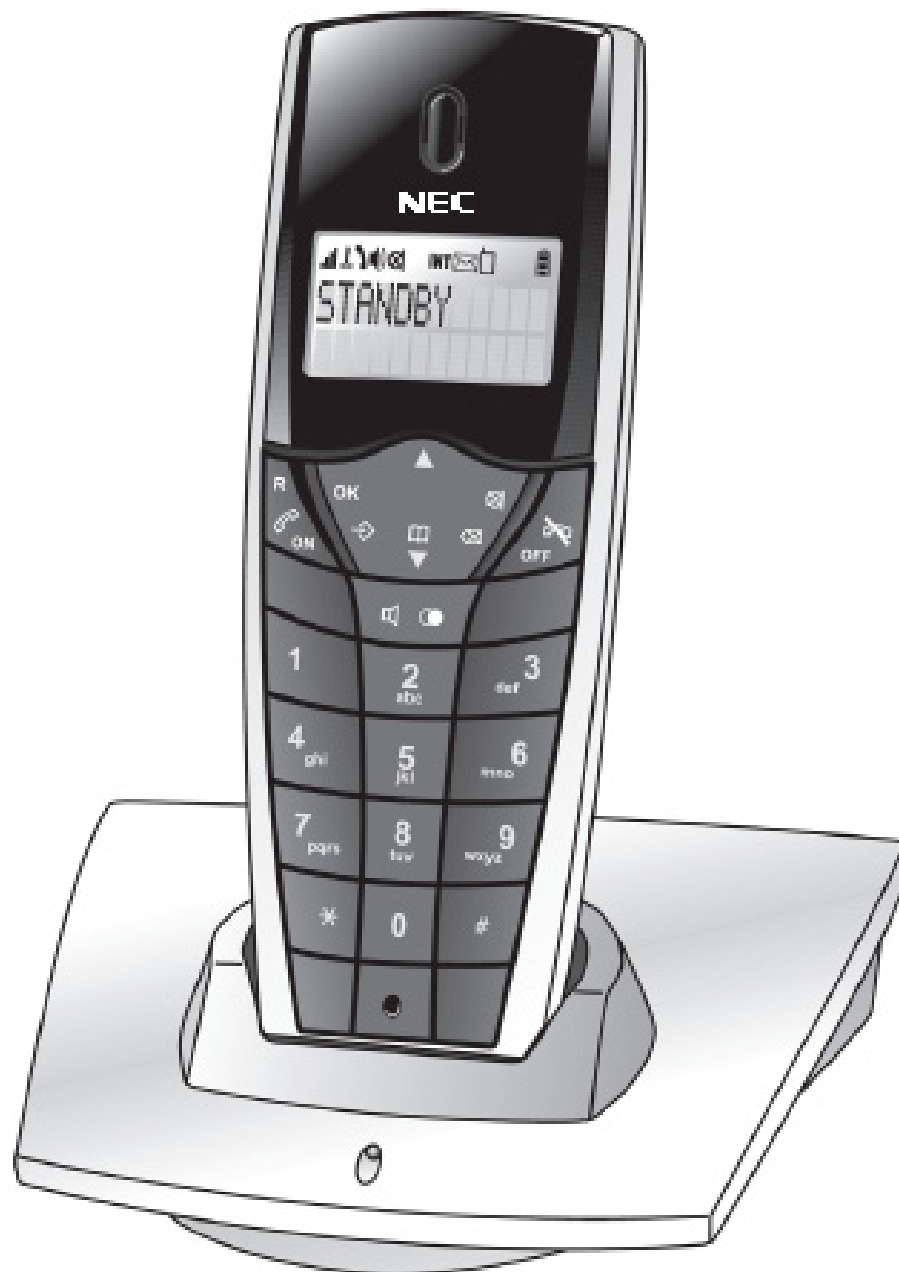


## NEC SIP DECT NEC C124 DECT HANDSET USER GUIDE



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***The equipment described in this manual should only be installed and maintained by professional and qualified engineers in accordance with the procedures and instructions described in this manual.***

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Technology Development

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# Notice to the User

The DECT handset described in this manual should only be used in combination with the NEC KTS system.

## Important Safety Information

This product requires a 110V alternating current power supply.

Only use adaptor and battery pack that is supplied with the package. Use only supplied charging cradle for recharging the handset batteries.

Do not disassemble this product, it contains no user-serviceable parts. In case of a thunderstorm, it is advised to disconnect the power from the adaptor.

Do not expose this product to dust, strong sunlight, humidity, high temperature or mechanical shock. Do not use corrosive or abrasive cleansers on this product. Keep the unit dust free by wiping it with a soft, dry cloth.

## Sensitive Electronic Environment

Any radio-based equipment can potentially cause interference with other equipment and can be interfered from other equipment. This also applies for DECT equipment. However due to the very low transmission power level the chances for interference are very small. Research proves that operational DECT phones normally do not influence electronic equipment however some precautions must be taken into account for sensitive electronic equipment e.g. sensitive laboratory equipment. When DECT phones operate in straight nearness of sensitive electronic equipment incidental influence can appear. You are advised not to place the DECT phone on or close (less than 10cm) to this kind of equipment, even in standby mode. Please also use the other documentation supplied with the various parts of your telephone system.

## Electric, Magnetic and Electromagnetic Fields (“EMF”)

Our products, like any electronic apparatus, have the ability to emit and receive electromagnetic signals. One of our leading business principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

NEC Unified Solutions, Inc. is committed to develop, produce and market products that cause no adverse health effects. NEC Unified Solutions, Inc. confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today. NEC Unified Solutions, Inc. plays an active role in the development of international EMF and safety standards, enabling NEC Unified Solutions, Inc. to anticipate further developments in standardization for early integration in its products.

# Contents and Accessories

The following items are included in the package:

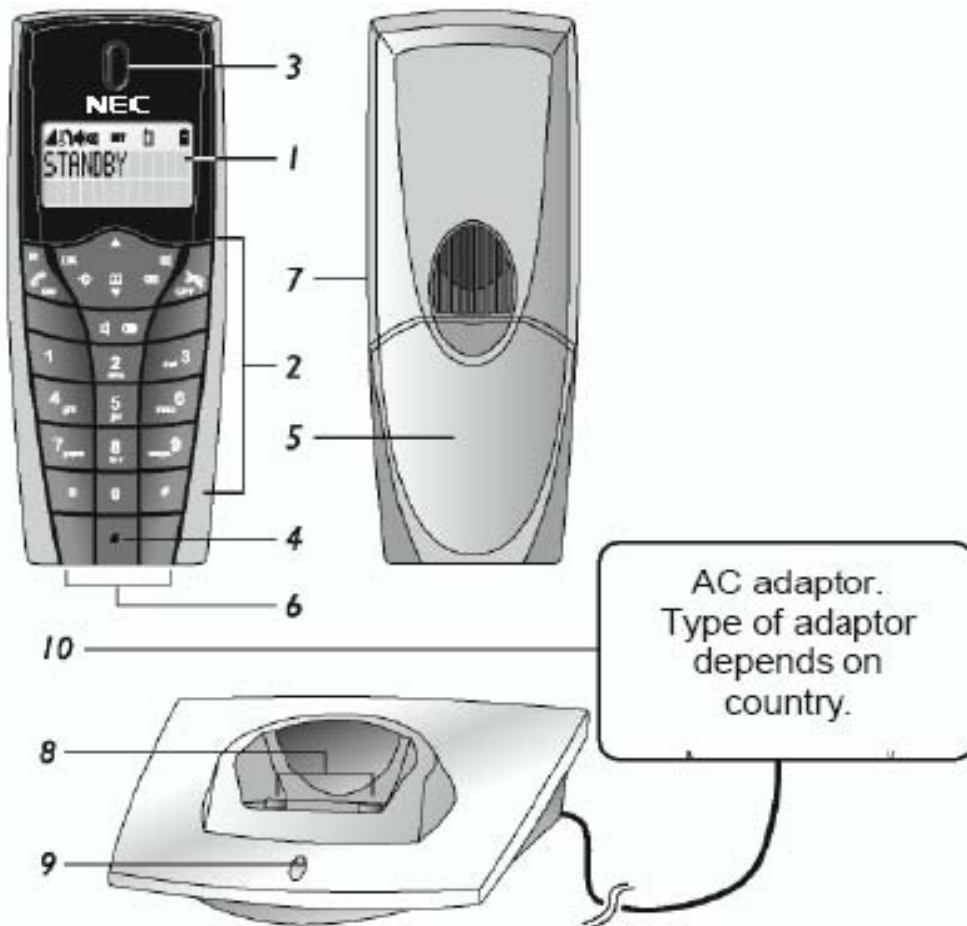
- Handset unit.
- Charger unit.
- Rechargeable AAA size NiMH batteries (1.2V 600mAh, 3 pieces).
- Power supply unit.

## Handset

1. LCD screen
2. Keypad
3. Ear piece
4. Microphone
5. Battery compartment cover
6. Handset charge contacts
7. Headset jack

## Charger Unit

8. Charger charge contacts
9. Power indication
10. AC adaptor

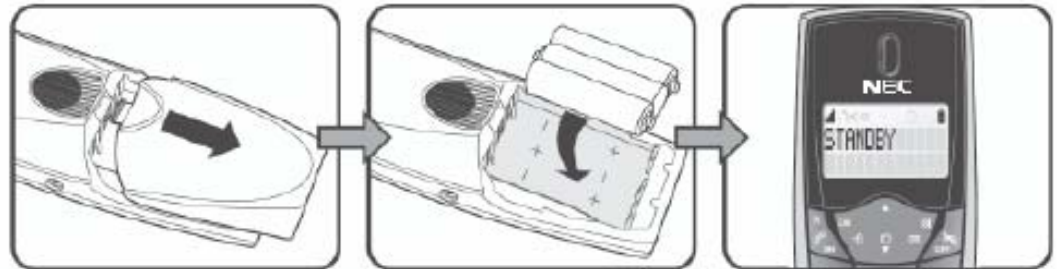


## Installation and Start-Up

Check if the main voltage matches the adapter main voltage.

Plug the AC adapter into the main socket-outlet.

On the handset, gently slide and open the battery cover and insert the rechargeable batteries supplied with the package. The + - poles of the batteries must correspond to the + - markings in the battery compartment.



Replace the battery cover by sliding it back into place.

Put the handset on the charger unit. Make sure charge indicator on the handset unit animates to show charging in progress.

### **IMPORTANT NOTICE:**

To obtain best battery performance, charge the handset for 12 hours before initial use. Defective handsets or defective or exhausted batteries should never be disposed of as municipal waste. For more information refer to [Environmental Protection on page 10](#).

Subscribe the handset to the DECT system using the Registration Menu in the Main Menu.

# Display Arrangement










Extra display line for dialed digits, calling number, etc.

Symbol	Indication
	Received signal strength. If the handset is out of range the display shows: SEARCHING...
	Keypad lock is activated
	On: handset is off hook. Flashing: incoming call.
	The handset speakerphone mode is activated.
	The handset microphone is muted.
	Battery capacity. During charging, it is an animated icon.
	A voice message is waiting.
	The handset is in standby mode. The handset name will be displayed if it is programmed.








# Keypad Arrangement

Button	In Standby	In Conversation	In Menu Mode
	Make or answer a call. When switched off: switch on the handset.	Enquiry / Call transfer.	Start dialing from phone book, redial list, or caller ID list.
	Press and hold this button to switch off the handset.	End a call.	Return to standby mode.
<b>0 - 9</b>	Enter digit 0-9.	Send DTMF signal 0-9.	To enter digit 0-9.+
	Enter call log.	Increase receiver volume.	Scroll through menu items.
	Enter telephone book	Decrease receiver volume.	Scroll through menu items.
<b>OK</b> 	Enter menu mode.	Not used.	Confirm an action or selection.
	Enter redial list.	Toggle speakerphone mode.	Toggle upper/lower case in phone book mode.
	Not used.	Toggle microphone mute.	Go back to previous menu or cancel an action.
<b>#</b>	Press and hold to insert pause.	Enter DTMF #.	Press and hold to insert pause in phonebook entries.

# Normal Operation

## Making a Call

Making a call can be done as follows:



- Press  and dial a number.
- Pre-dial a number and press  .
- Select a number from the phonebook and press  .
- Select a number from the redial list and press  .
- Select a number from the caller list and press  .

## Receiving a Call

An internal call is indicated by the INT icon on the display and the internal ring tone.

An external call is indicated by the external ring tone.

The caller's number is displayed if it is made available by the NEC KTS. If the caller's number is present in the phonebook the caller's name is displayed.

Answer an incoming call by pressing  or by pressing  for handsfree operation.


After answering a call the call duration time is displayed.

## Enquiry Call / Call Transfer

During a telephone conversation press  to hold the call and dial another number.

Press  again to switch back to the first caller. Press  to transfer the call.

## Ending a Call

End a call by pressing  .



## Keypad Lock

In idle mode the keypad can be locked by pressing  followed by  .





Repeat this key combination to unlock the keypad.

When the keypad is locked incoming calls can be answered.


# Menu Functions

All essential functions of this handset can be programmed via the Menu  / **OK** button, the Up/Down arrow buttons  /  and the backspace button.  The following menu items are available:

## Caller List

The number of an incoming call is displayed by the handset when available. If the number is present in the phonebook, the related name is displayed. The last 10 callers are stored. The oldest record is replaced by the newest record. Unread records are marked with a "\*" character. To enter the caller list press  or enter the menu by pressing  and select CALLER LIST. Press  /  to scroll through the list. The following functions are available:

### Call Back

Select a number from the list and press .

### Copy to Phonebook

Select a number from the list and press **OK**.

Select COPY TO PHB, and press **OK**.

You are prompted to edit the number and add a name.

### Delete Entries



In the caller list select an entry and press **OK**.

Select DELETE to delete a single entry or DELETE ALL to delete all entries.

Press **OK** to confirm.

## Phonebook

There are 40 phone book entries (12 characters and 24 digits).

To enter the phonebook press  or enter the menu by pressing  and select PHONEBOOK. The following functions are available:


### Create Entry

In the phonebook scroll to NEW ENTRY and press **OK**.

The display shows EDIT NUMBER. Use the alphanumeric buttons (0 to 9) to enter a number and press **OK** to confirm.

The display shows EDIT NAME.

Use the alphanumeric buttons (1-9) to enter a name and press **OK** to confirm.

Use button (0) to enter a space. Press  to switch between upper and lower case.

### Delete Entries

In the phonebook select an entry and press **OK**.

Select DELETE to delete a single entry or DELETE ALL to delete all entries.

Press **OK** to confirm.


### Modify Entry

In the phonebook select an entry and press **OK**.

Select EDIT and press **OK**.

You are prompted to modify the number and the name. Confirm with **OK**.

## Redial List

To enter the redial list press  or from the main menu select REDIAL and press **OK**.

The following functions are available:

### Copy to Phonebook

In the redial list select an entry and press **OK**.

Select COPY TO PHB and press **OK**.

You are prompted to modify the number and the name. Confirm with **OK**.

### Delete Entries

In the redial list select an entry and press **OK**.

Select DELETE to delete a single entry or DELETE ALL to delete all entries.

Press **OK** to confirm.

## Tone Setup

In the main menu select TONE SETUP and press **OK**.

In the Tone Setup menu the following settings can be changed:

### Silent Charging Mode

In silent charging mode the handset will not ring when placed on the charger.

Toggling this mode is done as follows:

In the TONE SETUP menu select SILENT CHG. and press **OK**.

Select ON or OFF and press **OK**.

### External Melody

Used to change the ring melody for external calls.

In the TONE SETUP menu select EXT. MELODY and press **OK**.

Scroll through the list and select the required melody by pressing **OK**.

### Internal Melody



Used to change the ring melody for internal calls.

In the TONE SETUP menu select INT. MELODY and press **OK**.

Scroll through the list and select the required melody by pressing **OK**.

### Ring Volume

Used to change the ring volume for all calls.

In the TONE SETUP menu select RING VOLUME and press  /  to modify the ring volume and confirm by pressing **OK**.

### Key Tone

Toggling key tones is done as follows:

In the TONE SETUP menu select KEY TONE and press **OK**.

Select ON or OFF and press **OK**.

### Range Warning

The handset can give a warning beep when the radio contact is nearly lost.

Toggling the range warning beep is done as follows:

In the TONE SETUP menu select RANGE WARN and press **OK**.

Select ON or OFF and press **OK**.

## Handset Name

The handset name is displayed in idle mode.

Changing the handset name is done as follows:

In the main menu select HS NAME and press **OK**.

You are prompted to edit the handset name. Confirm with **OK**.

## Registration Menu

This handset can be registered to only a single DECT system. The following functions are available.

### Subscribe

Subscribe the handset to the DECT system.

First prepare the subscription in the DECT system.

In the registration menu select SUBSCRIBE and press **OK**.

You are prompted to enter the pin code, confirm with **OK**.



### Cancel HS

The normal way to remove a subscription is via the Subscription page in the DAP Manager. This will also remove the subscription from the handset. If this is not possible the subscription can be removed from the handset as follows:

In the registration menu select CANCEL HS and press **OK**.

You are prompted to confirm this action.

## Answer Mode

The handset can be programmed to answer a call with key  or  (normal mode) or with any key.

In the ANSWER MODE menu select NORMAL or ANY KEY and confirm with **OK**.

## Language

In the language menu scroll to the required language and confirm with **OK**.

# Environmental Protection

## Product disposal information



Disposal of electrical and electronic products should be done in line with the local regulations. If no arrangement has been made with NEC Unified Solutions, Inc. or your supplier, please contact the local authorities for further information.



## Battery Disposal Information

Defect or exhausted batteries should never be disposed of as municipal waste. Return old batteries to the battery supplier, a licensed battery dealer or a designated collection facility. Do not incinerate batteries.

This product uses rechargeable NiMH batteries. Do not use any other type. For battery replacement or removal please remove the battery cover as described in [Installation and Start-Up on page 3](#).

## FCC Rules

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.

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

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect equipment into an outlet on a circuit different from that to which receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment: SAR 0.0560 W/kg (Normal use), SAR 0.017 W/kg (Pocket/Belt use).

Privacy of communications may not be ensured when using this phone.

Document Revision 1

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**INT-2037 (DECT)**