

# vtech

**Digital Enhanced Cordless Telephone (DECT)**

**User manual**



**VT6221**

[www.vtech.com](http://www.vtech.com)

# Contents

<b>Setting up the telephone</b> .....	<b>3</b>
Package contents .....	3
Location .....	3
Setting up the base station .....	4
Connecting the telephone .....	5
Removing the cords .....	6
Putting the handset into operation .....	7
Displays, keys, symbols .....	10
Key lock on/off .....	14
Paging .....	14
<b>Telephoning</b> .....	<b>15</b>
External calls .....	15
Accepting a call .....	16
Redial .....	17
Quick access network mailbox .....	17
Dialling from the call list* .....	18
Setting the handset volume .....	19
Muting the handset .....	19

\* Only in networks that enable caller ID (Calling Line Identification Presentation, CLIP).  
Contact your network operator to find out whether this service is supported.

# Contents

<b>Telephone settings</b> .....	20
Setting the ring tone volume .....	20
Setting the ring tone melody .....	20
Speed dialling .....	21
Direct call (baby call) .....	22
Flash time .....	23
Restoring default settings .....	23
Changing the PIN .....	24
Key tone on/off .....	24
<b>Appendix</b> .....	25
Technical Data.....	25

# Setting up the telephone

## Package contents

The package contains the following items:

### VT6221

- ⇨ 1 Base station
- ⇨ 1 Telephone line cord
- ⇨ 1 AC power adapter
- ⇨ 1 Handset
- ⇨ 2 Dowels/2 screws
- ⇨ 2 Rechargeable batteries
- ⇨ 1 English user manual and 1 Chinese user manual

## Location

To obtain the best possible range, we recommend positioning the telephone in a location central to your sphere of activity. Avoid positioning the telephone in niches, recesses and behind steel doors.

The maximum range between the base station and handset is approximately 300 meters. Depending on the surrounding conditions as well as spatial and structural factors, the range may be smaller. The indoor range is normally smaller than outdoors. Depending on the structural surroundings, radio dead spots may occur even within the range due to digital transmission in the frequency range used. In this case the transmission quality may be reduced through the increased incidence of short breaks in transmission. Normal transmission quality will be resumed if you move slightly out of the radio dead spot. When the range is exceeded, the connection will be broken unless you move back into range within ten seconds.

To avoid radio signal interference from other electronic equipment, we recommend that the base station/charging bay and handset are situated at the greatest possible distance (minimum 1 meter) from other equipment.

# Setting up the telephone

## Setting up the base station

⇒ *Do not expose the base station* to direct sunlight.

Protect the base station against moisture. Do not position the telephone in room exposed to condensation, corrosive steam or excessive dust. Condensation can occur in cellars, garages, conservatories or sheds.

The ambient temperature must be between 5 °C and 40 °C.

Position the base station in a clean, dry and well-aired location. Choose a place which is stable, even and not subject to vibrations.

To avoid mutual interference, do not position the base station in the immediate vicinity of electronic equipment such as hi-fi systems, office equipment or microwave ovens. Avoid positioning the telephone near heat sources such as heating elements or near obstacles such as metal doors, thick walls, niches and cupboards.

The base station does not have a mains switch. For this reason the socket to which it is connected must be easy to access.

# Setting up the telephone

## Connecting the telephone

Before you can start using your telephone you must plug in the telephone connection cords and the mains cable.

### Safety note

Use only the VTech power pack provided for the base station!

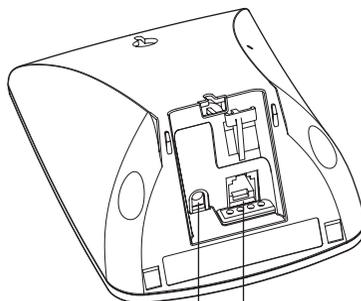
#### ① Telephone connection cord

The telephone connection cord has two different plugs. Insert the smaller plug in the socket marked with the telephone symbol, and fit the cord into the corresponding cable groove.

Insert the larger plug in your telephone connection socket.

#### ② Mains cable

First, insert the mains cable in the socket marked with the mains plug symbol on the base of the base station/charging bay, and fit the cable in the corresponding cable groove. Then insert the mains plug in the 220V socket.



Socket for  
mains cable ②

Socket for  
telephone  
connection  
cord ①

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**Note** Your telephone will not function if the mains plug is not plugged in or during a power cut.

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# Setting up the telephone

## Removing the cords

First unplug the mains plug from the 220V socket and the plug from the telephone connection socket.

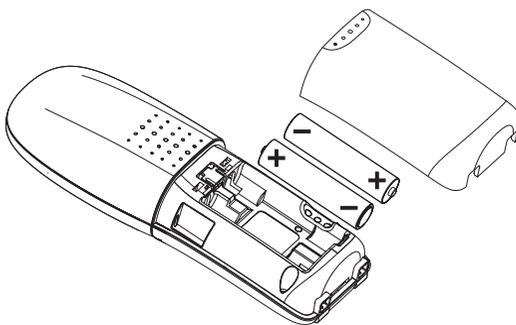
# Setting up the telephone

## Putting the handset into operation

Your handset will be ready for operation (for making or accepting calls) only once the battery has been charged for the first time.

## Inserting the rechargeable batteries

The bottom of the handset contains a battery compartment for housing two type AAA batteries (microcells).



### Removing the battery compartment cover:

Slide the battery compartment cover downwards (approx. 3 mm) and lift.

### Inserting the two rechargeable batteries (note the polarity!):

Insert the batteries in the battery compartment. Make sure the polarity is correct. Make sure to insert the batteries so that the flat end of the battery (the negative side) connects to the spring contact. The handset will not function if the batteries are incorrectly inserted. This may result in damage. Replace the compartment cover by placing it approximately 3 mm offset and slide it upwards until it clicks into place.

# Setting up the telephone

## Charging the batteries

The batteries are not yet charged when you first unpack the telephone. To charge the batteries, place the handset on the base station. The flashing battery symbol on the handset signals the charging procedure. The batteries will take around 14 hours to charge up.

- 
- Note**
- Do not place the handset in the base station if the batteries have not been fitted.
  - Do not use strange base station, the batteries can be damaged.
- 

The following symbols indicate the charging status on the handset display:



Charging status "empty"



Charging status "1/2 "



Charging status "full"

Once the new batteries have been inserted, the display (1/2, full) on the handset indicates the actual charging status only after a complete charging procedure.

Insert the plug into your telephone connection socket once the battery symbol has stopped flashing.

Your telephone is now ready to use.

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## Important!



Please note: The first time you insert the batteries, the battery display will indicate the correct information on the charging status only after a complete charging cycle. Use only NiMH rechargeable batteries. Never use disposable batteries/primary cells.

## Setting up the telephone

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**Note** You can replace the handset in the base station after every call. Charging is electronically controlled to ensure optimal charging of batteries in different charge states. Avoid removing the batteries from the handset for no good reason, since this affects the optimum charging cycle.

You can telephone for up to 10 hours with fully charged batteries.

If the battery charge status has reached its lower limit, the battery symbol () flashes in the display and a warning signal is heard. You have 10 minutes of talk time left.

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# Setting up the telephone

## Displays, keys, symbols

### Displays

The display gives you information on the current status of your telephone. The «standby indicator» shown below shows you your handset is ready for use.

The symbols in the upper row of the display have the following meaning:



The symbol is permanently lit if a connection to the base station exists. The symbol flashes to indicate that the handset is near the limit of the base station range.



You have pressed the talk key.



You have pressed the “mute” key: the microphone is off.



You have switched off the ring tone.



You have activated the key lock.



Shows new entries in the call list\*.



Shows the battery charge status. Two segments indicate full or almost full batteries. If no segment is shown or the empty frame is flashing, your handset should be returned to the base station for charging.

---

**Note** At the end of a call the duration of the conversation is shown on the display.

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\* Only in networks that enable caller ID

# Setting up the telephone

## Handset keys



Open call list\*, press key several times to scroll down.



Previous called number(s), press to scroll through this redial list.



Performs different functions depending on the context.

- ☞ Deletes the last character or number of an entry in the display.
- ☞ Press this key to return to standby mode.

If you are editing an entry in the speed-dial memory, in the call or redial list\*, you can hold down this key to delete the entry.

- ☞ Press this key to switch the microphone off during a call.



Open speed-dial memory, press key several times to scroll down.

FLASH



Enquiry call key with flash function.

PROGRAM



Programming key to start and end programming.



Talk key.



Numerical keys for dialling telephone numbers.

"0" key: when entering a number, hold this key down to generate a dialling pause between two digits.



Long-press: the network mailbox number is dialled directly.



Hash key (or pound key) for entering the "hash" symbol. The sequence 34# appears as follows: .

In standby mode, hold this key down to activate/deactivate the key lock.



Asterisk key (or star key) for entering the "asterisk" symbol. .

In standby mode, hold this key down to activate/deactivate the ring tone.

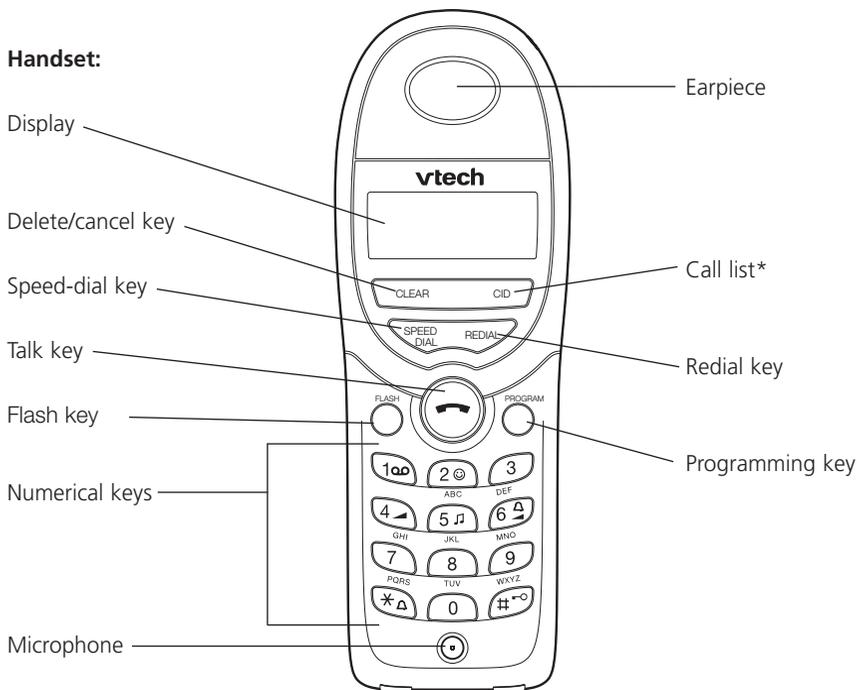
\* Only in networks that enable caller ID

# Setting up the telephone

## In programming mode:

- 2 ☉ Direct call on/off.
- 4 ↗ Set handset volume.
- 5 ♪ Set ring tone melody.
- 6 ⬆ Set ring tone volume.

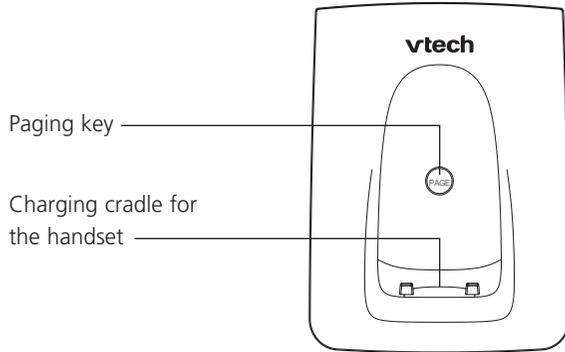
## Handset:



\* Only in networks that enable caller ID

# Setting up the telephone

## Base station keys



# Setting up the telephone

## Key lock on/off

. During incoming calls the key lock is deactivated for the duration of the call.

### Key lock on



Hold down the hash key for about 2 seconds.

The display shows the key symbol .

### Key lock off



Hold down the hash key for about 2 seconds.

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#### Note

You cannot make outgoing calls while the key lock is on.

The display shows the  symbol to indicate that the key lock has been activated.

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## Paging

Press the PAGE key on the base station to page your handset.

### End call

Press the PAGE button again, or press the Talk key on the handset to end the paging call.

# Telephoning

## External calls



Press the Talk key.



Enter the required telephone number.  
This number will then be dialled.

### To end this external call:



Press the Talk-key, or replace the handset  
on the base station for auto-hang up.

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### Note

You may also make external calls by using predialling: enter the telephone number, use the key  to make any corrections and press the talk-key. The telephone number will then be dialled.

# Telephoning

## Accepting a call

Calls are signalled acoustically as well as optically in the handset display.

- ⇨ The callers number is displayed if you subscribed caller ID services from your network operator.
- ⇨ The caller's number is not displayed if the caller has withheld his number i.e. if he has suppressed transmission of his number, or if this is not technically possible.

## Accepting a call



Press the Talk key, or pick up the handset if it is on the base station when there is incoming call.



Conduct your call.

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**Note** You can set the volume and melody of the ring tone.

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# Telephoning

## Redial

The last 10 dialed numbers are saved under the redial key.



Open the redial list. The last dialed number is displayed. Press this redial key again to scroll through the list.



Press the -key to exit the redial list



Press the -key for approx. 2 seconds to delete the currently displayed entry from the list.



Press the Talk-key to dial the corresponding telephone number.

## Quick access network mailbox

Some providers offer the service "Network Mailbox" (voice mailbox), acting as an automatic answering machine. You can very easily access to your mailbox by programming the network mailbox access number on key "1".

### Programming the access number



Press the programming key.



Press 8.



Enter your four-digit PIN (at the delivery the PIN code is set to "0000").



Press the programming key.



Enter the telephone number.



Press the programming key.

# Telephoning

## Listen to messages in the network mailbox



Hold down key 1 for about 2 seconds. The connection to your network mailbox is automatically established.

## Dialling from the call list

If your network operator supports caller ID (CLIP), numbers (up to 18 digits) of unanswered calls are saved in the caller list. The list can hold up to 10 entries. If the list is full, the oldest entry is deleted and the newest is put first in the list.

The display alerts  you to new incoming, unanswered calls.

## Selecting a number from the call list



Press the call list key. The latest entry is shown.



Press the Talk key. The displayed number is dialled.

or...



Scroll through the call list to view unanswered call numbers and, if necessary, call them back.



Press once: returns you to standby mode.

Hold down: the displayed entry is deleted and the next entry is shown.

## Deleting the entire call list

Press the following keys in consecutive order:    .

# Telephoning

## Setting the handset volume

The handset volume can be set and saved at any of three levels.



Press the programming key.



Press 4. The current volume setting is displayed (e.g. "2/3 " is the middle volume 2 of 3).



Use numerical keys 1 to 3 to set the preferred volume.



Press the programming key to save the setting.

## Muting the handset

If you do not want your call partner to hear what you are saying to another person in the room, you can temporarily mute your handset.



You are conducting a call.



Press the -key. The display shows 

The call is put << Mute>> , and the call partner cannot hear you, but you can hear your call partner.



Press the -key. Your call partner can hear you again.

# Telephone settings

## Setting the ring tone volume

The ring tone volume can be set and saved at any of three levels.



Press the programming key.



Press 6. The current volume setting is displayed (e.g. "2/3 " is the middle volume 2 of 3).



Use numerical keys 1 to 3 to set the preferred volume.



Press the programming key to save the setting.

You can activate and deactivate the ring tone by holding down the  key (for approximately 2 seconds). If the ring tone is off, the display shows the symbol .

## Setting the ring tone melody

You have a choice of six different melodies.



Press the programming key.



Press 5. The current setting is displayed (e.g. "2/6 " is the second of 6 settings).



Use numerical keys 1 to 6 to set the preferred melody.



Press the programming key to save the setting.

# Telephone settings

## Speed dialling

Your VT6221 can store 10 speed-dial numbers, each up to 18 digits.

### Selecting speed dialling



Press the speed-dial key.

The first entry is displayed. Scroll through the speed-dial list by pressing the speed-dial key as often as required or use numerical keys 1 to 9 to select an entry.



Press the Talk key to dial the number. To abort the function without dialling, press .

### Entering/editing speed-dial numbers

PROGRAM



Press the programming key.



Press the speed-dial key.

The first entry is displayed (0). Press the speed-dial key as often as required to scroll through the list.

A saved number is displayed. Delete individual digits backwards by pressing the key. Hold down the key to delete the entire number. You can add a dialling pause between two digits by holding down the «0» key.



Enter the telephone number.

PROGRAM



Press the programming key to save the setting.

### Deleting the entire speed-dial list

Press the following keys in consecutive order:

PROGRAM



PROGRAM



# Telephone settings

## Direct call (baby call)

With direct call, you can program a number which can be directly dialled when any key (except the programming key) is pressed.

### Entering/editing the direct call number

PROGRAM



Press the programming key.



Press 3.



Enter your four-digit PIN.

PROGRAM



Press the programming key.

If the Direct call number has been programmed, this number is displayed. Delete individual digits backwards by pressing the **CLEAR** key. Hold down the **CLEAR** key to delete the entire number. You can add a dialling pause between two digits by holding down the «0» key.



Enter the number which is to act as the direct call number.

PROGRAM



Press the programming key to save the setting.

### Activating/deactivating direct call

PROGRAM



Press the programming key.



Press 2.



Enter your four-digit PIN.

PROGRAM



Press the programming key.

If direct call was deactivated, this activates it. If direct call was activated, this deactivates it.

PROGRAM



Press the programming key to save the setting.

If direct call is activated, the direct call number is displayed in the handset.

# Telephone settings

## Flash time

The flash time has been set to 600 ms, which is most suitable to HKSAR telecommunications network setting. Though it is possible to change the flash time manually, it is not recommended as it may cause dysfunction of certain product features.

## Restoring default settings

This procedure resets all the personal preferences you have programmed and restores the telephone to default mode.

PROGRAM



Press the programming key.



Press 9.



Enter your PIN.

PROGRAM



Press the programming key to save the setting.

# Telephone settings

## Changing the PIN

The PIN is a four-digit password to protect the base station and handsets against unauthorised access.

The telephone is delivered with the system PIN set to «0000».

PROGRAM



Press the programming key.



Press 1.



Enter the old four-digit PIN (default setting "0000").

PROGRAM



Press the programming key.



Enter a new four-digit PIN.

PROGRAM



Press the programming key.



Enter the new PIN again (security measure).

PROGRAM



Press the programming key to save the setting.

## Key tone on/off

PROGRAM



Press the programming key.



Press  to switch the key clicks setting on/off.

PROGRAM



Press the programming key to complete the sequence.

# Appendix

## Technical Data

Standard: DECT

Number of channels: 120 duplex channels

Frequencies: 1880 MHz bis 1900 MHz

Range:

up to 300 meters outdoors,  
up to 50 meters indoors

Base station power supply:  
220 V /50 Hz (power pack)

Base station 220V AC adapter  
power supply

Handsets operating time:

standby / talk time  
approx.100hrs / approx.10hrs

Battery charging time: approx.14 hours

Base station dimensions:

Width/height/depth = 115 x 100 x 70 mm

Handsets dimensions:

Length/width/height = 149 x 51 x 25 mm

Base station weight: 152 g

Weight of a handset:

102 g (without batteries),  
124 g (with batteries)

Power pack: HongKong

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