

To select the language of the handset


Thank you for choosing Belgacom for your home communication.

Before using your TWIST 456 we invite you to select the menus language of your handset.

First install the batteries and allow the handset to charge a few minutes (see page 15).

Then the language selection screen appears.

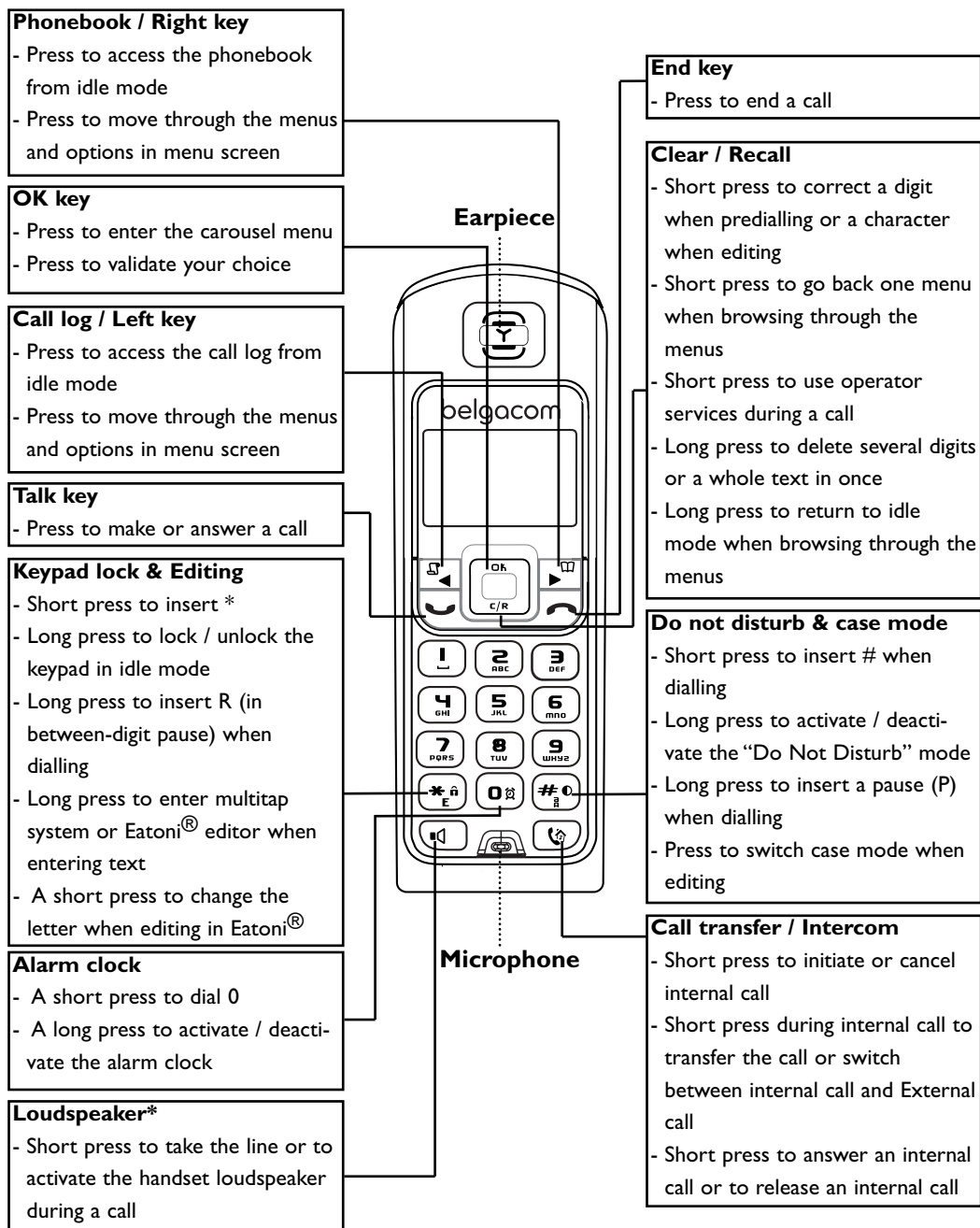
Press  and scroll   to browse through the different languages.

Press  to select the language that suits you.

Your phone is ready to be used and personalised.

See page 30 if you need to change the language of the handset.

TWIST 456 handset



***Warning :** Handsfree activation could suddenly increase the volume in the earpiece to a very high level. Make sure the handset is not too close to your ear.

Icons on the handset display





The display gives information about the operation of your telephone.

On first use, it is sometimes necessary to wait for a few minutes of charge before seeing icons on the display.



When charging, the battery bars scroll from empty to full status.

When the handset discharges, the battery shows the status :

Full , 2/3 , 1/3  and empty .



The ring tone is deactivated.



An external call is in progress. **When blinking**, this symbol indicates that there is an incoming external call in progress or that the line is already busy.



An internal call is in progress. **When blinking**, this symbol indicates that there is an incoming internal call.



The handset loudspeaker is activated.



The SMS function is activated. **When blinking**, this symbol indicates that a new SMS has been received. **When fast blinking**, it indicates that the SMS memory is full.



The handset is registered and in range of the base. **When blinking**, this symbol indicates that the handset is not registered to the base.



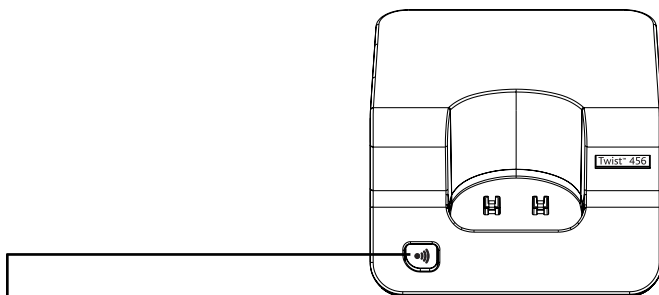
The alarm clock is activated.



The "Do not disturb mode" is activated.

Note : see page 16 for details about the idle mode screen (with or without new events).

TWIST 456 base station



Paging key

The paging key enables you to locate a missing handset. Press the key until the handset starts to ring. Once retrieved, press any key on the handset to end paging.

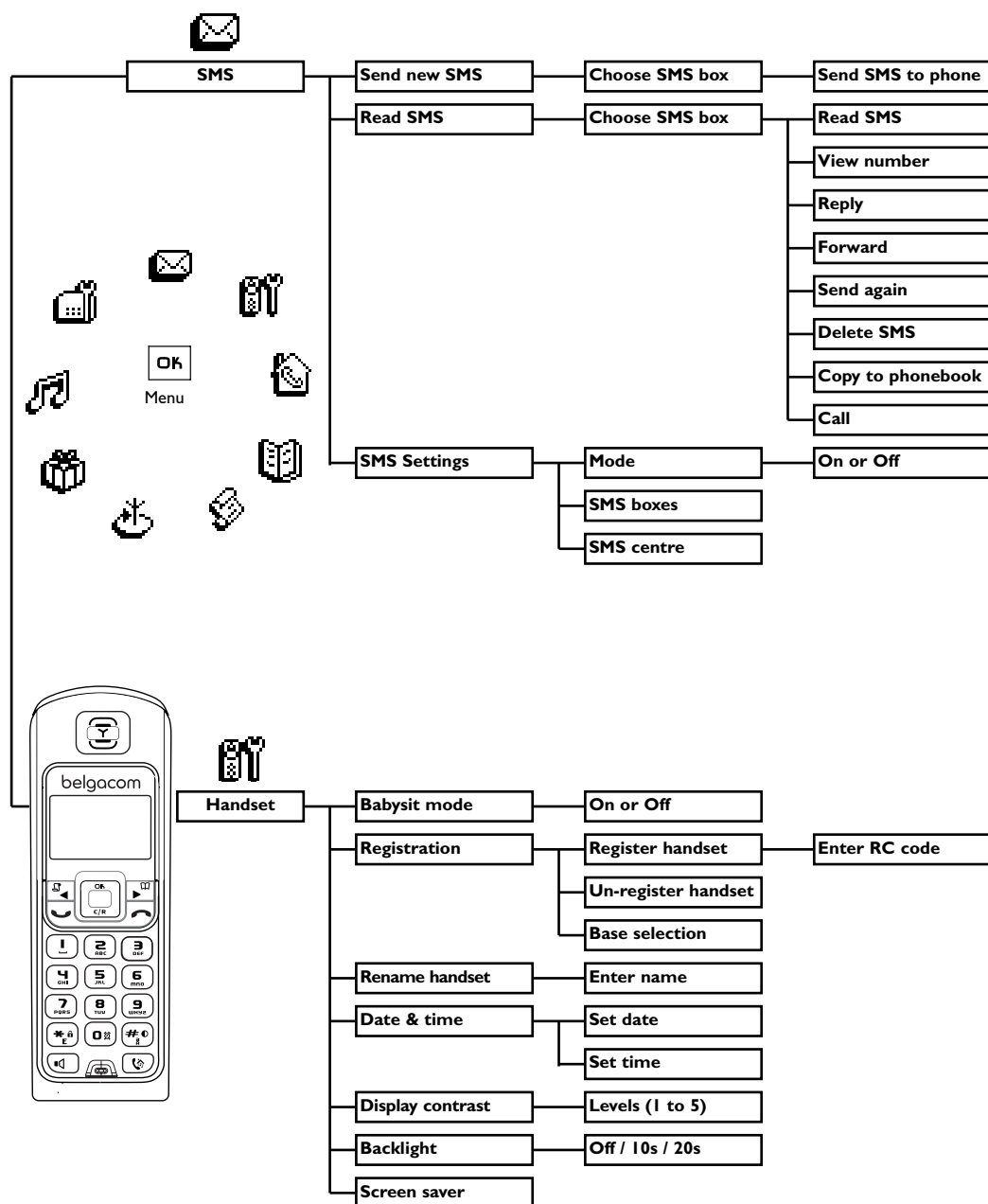
Table of contents

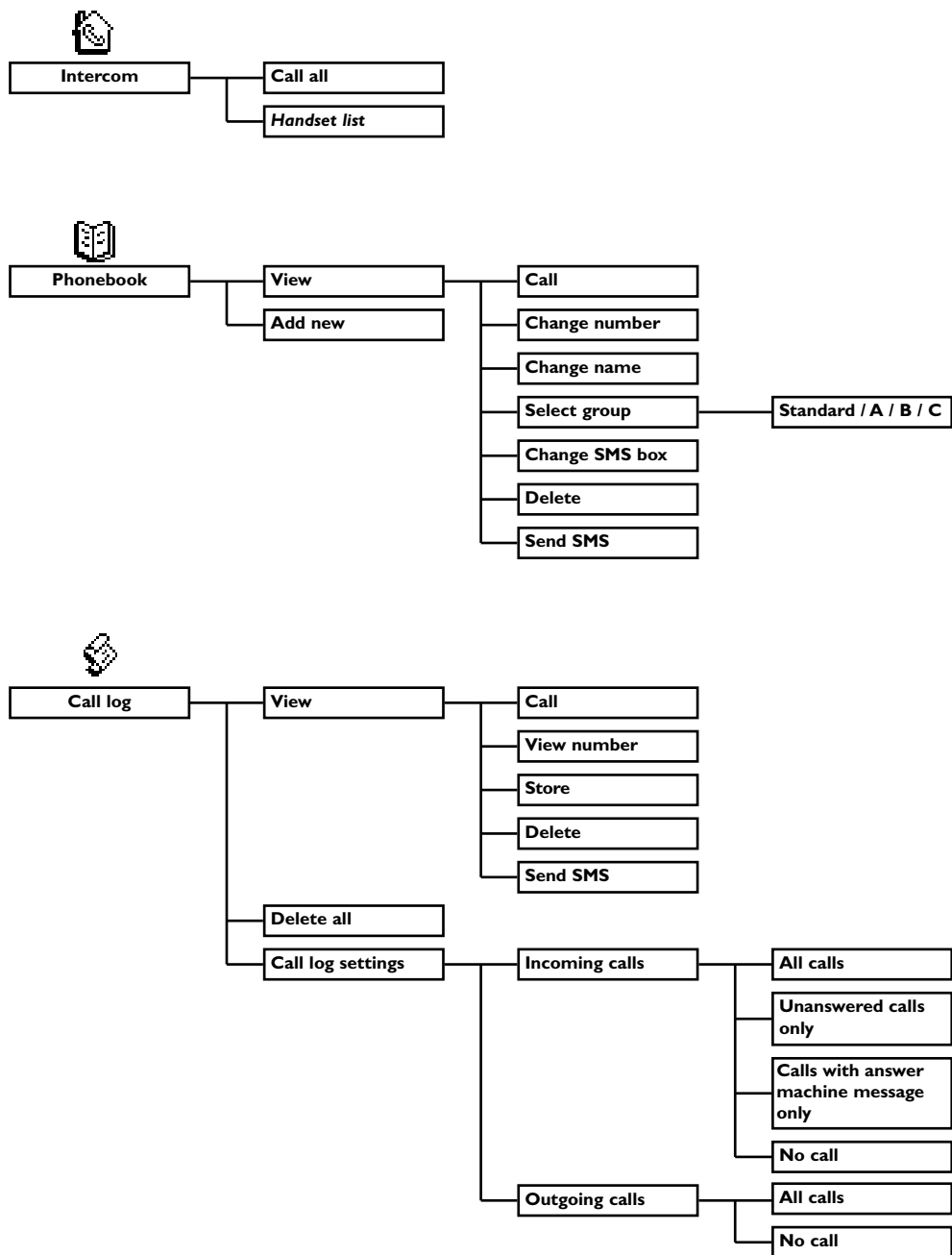
To select the language of the handset	1
TWIST 456 handset	2
Icons on the handset display	3
TWIST 456 base station	4
Table of Contents	5-6
Menu structure	7-10
Conformity, Environment and Safety	11-12
Declaration of conformity	
Using GAP standard compliance	13
Installing the TWIST 456	
Unpacking your TWIST 456	14
Installing the base station	15
Installing and replacing the batteries in the handset	15
Battery life and range	15
Introduction	
Belgacom screen saver	16
Idle mode	16
Understanding the menu system	16
How to navigate in the menus	16
Basic principles	17
In-call features	18
Editing systems	19-20
SMS	
Send new SMS	22
Read SMS	22
SMS settings	25
Handset	
Babysit mode	28
Registration	28
Rename handset	30
Language	30
Date & time	30
Display contrast	31
Backlight	31
Screen saver	31

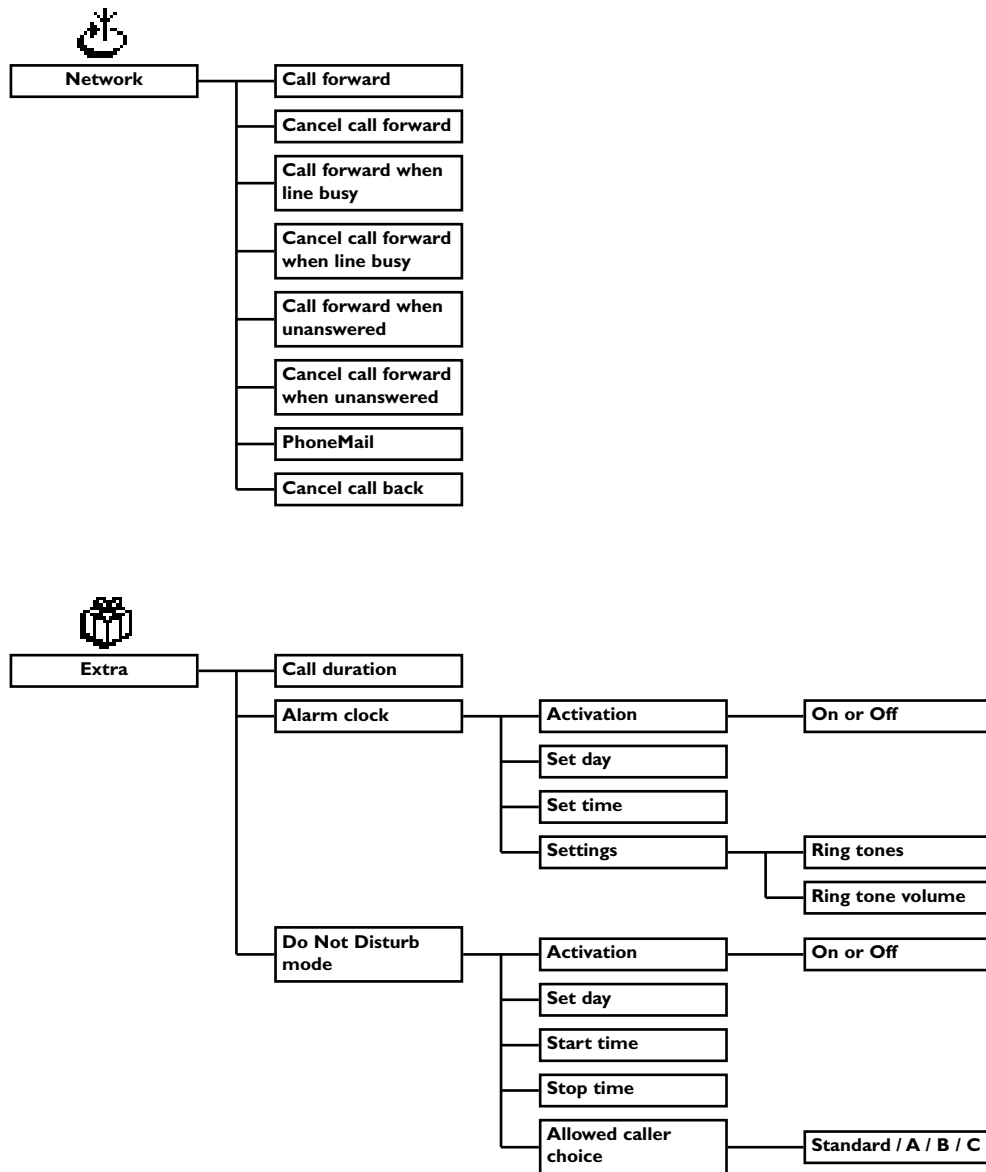
Intercom	
Internal call	32
Call transfer	32
Conference call	33
Babysit mode	33
Phonebook	
Add new	34
View	34
Call log	
View	37
Delete all	39
Call log settings	39
Network (Belgacom services)	40
Extra	
Call duration	41
Alarm clock	41
“Do Not Disturb” mode	42
Sounds	
Handset ring tones	43
Group ring tones	43
Handset ring tone volume	44
Settings	44
Base station	
Enable registration	46
Line settings	46
Belgacom service code settings	47
FAQ	48
Troubleshooting	49-50
Guarantee	51
Index	52
Notes	53

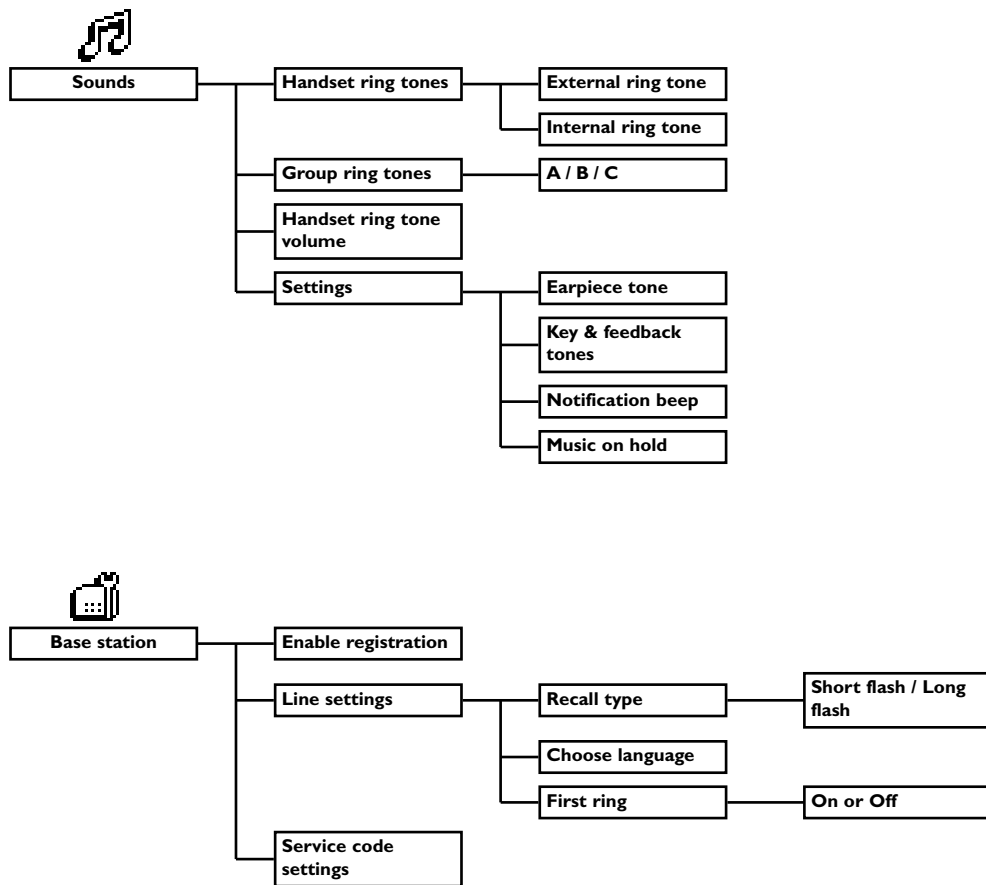
Menu structure

By using the left  and right  keys, you can scroll through the menus.









Conformity, Environment and Safety

Safety information

This equipment is not designed to make emergency calls when the power fails. An alternative has to be made available to allow emergency calls.

Conformity

Hereby, PCE declares that the TWIST 456 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. This product can only be connected to the analogue telephone network of Belgacom.

Power requirements

This product requires an electrical supply of 230 volts, alternating monophased power, excluding IT installations defined in standard EN 60-950. In case of power failure, the communication can be lost.

Warning !

The electrical network is classified as hazardous according to criteria in the standard EN 60-950. The only way to power down this product is to unplug the power supply from the electrical outlet. Ensure the electrical outlet is located close to the apparatus and is always easily accessible.

Telephone connection

The voltage on the network is classified as TNV-3 (Telecommunication Network Voltages), as defined in the standard EN 60-950.

Safety precautions

Do not allow the handset to come into contact with water. Do not open the handset or the base station. You could be exposed to high voltages. Do not allow the charging contacts or the battery to come into contact with conductive materials.

Environmental care

Please remember to observe the local regulations regarding the disposal of your packaging materials, exhausted batteries and old phone and where possible promote their recycling.

The equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances for the health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end life equipment in a sound way.

The crossed-bin symbol invites you to use those systems.

If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration.

You can also contact us for more information on the environmental performances of our products.

Declaration of conformity

We,
PCE
Route d'Angers
72081 Le Mans Cedex 9
France

Declare that the product TWIST™456 is in compliance with ANNEX III of the R&TTE-Directive 1999/5/EC and then with the following essential requirements :

Article 3.1 a : (protection of the health & the safety of the user)
Safety : EN 60950-1 (10/2001)
SAR : EN 50371 (2002)

Article 3.1 b : (protection requirements with respect to electromagnetic compatibility)
EMC : ETSI EN 301 489-6 V1.2.1 (08/2002) & ETSI EN 301 489-1 V1.4.1 (08/2002)

Article 3.2 : (effective use of the radio spectrum)
Radio : EN 301 406 V1.5.1 (2003)

The presumption of conformity with the essential requirements regarding Council Directive 1999/5/EC is ensured.

Date : 29/07/2005 Le Mans


Product Quality Manager
Home Communication



Using GAP standard compliance

The GAP standard guarantees that all DECT™ GAP handsets and base stations comply with a minimum operating standard irrespective of their make. Your TWIST 456 handset and base station are GAP compliant, which means the minimum guaranteed functions are : register a handset, take the line, receive a call and dial. The advanced features may not be available if you use another handset than a TWIST 456 with your base station or if you register your handset TWIST 456 to another base station.

To register and use your TWIST 456 handset with a GAP standard base station of a different make, first follow the procedure described in the manufacturer's instructions, then follow the procedure page 28.

To register a handset from another make to the TWIST 456 base station, place the base station into registration mode (page 28), then follow the procedure in the manufacturer's instructions.



A financial contribution has been paid to the associated national recovery & recycling system.



The labelled packaging material is recyclable.

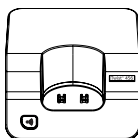
DECT™ is a Trade Mark of ETSI registered for the benefit of the implementers of the DECT technology.

Installing the TWIST 456

Unpacking your TWIST 456

The TWIST 456 package contains :

One TWIST 456 base station



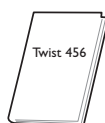
One TWIST 456 handset



NiMh 2HR
AAA 650 mAh
rechargeable
batteries



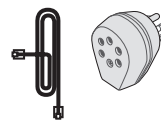
A user guide



A power supply



A line cord
with line
adapter

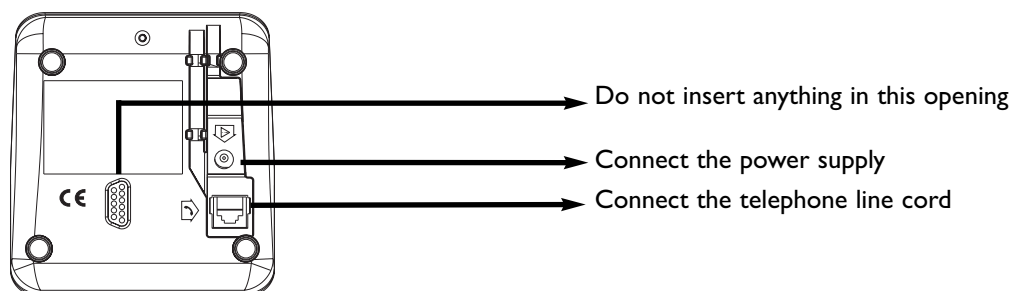


In TWIST 456 Duo handset packs, you will also find one additional handset, one charger with the power supply and additional rechargeable batteries.

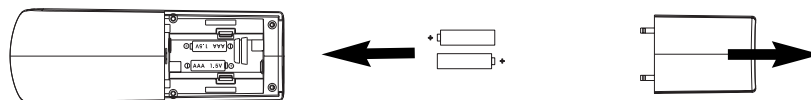
Installing the base station

Situate your product close enough to the telephone and mains power sockets so that the cables will reach. To properly install the base station, plug the line cord and the power cable into the base station. Plug the cord and the cable into the wall.

Warning! Always use the cables provided with the product.



Installing and replacing the batteries in the handset



To insert the batteries, open the battery cover, place the batteries as indicated and put the battery cover back. When the handset is placed on the base station the 3 battery bars scroll (if charge is needed). Allow the handset to charge for 24 hours to reach full charge.

In case you need to change the batteries, the following type is mandatory 2HR AAA NiMh 650 mAh.

Warning : the base station must always be plugged into the mains when charging or when in use. Always use rechargeable batteries.

The warranty shall not apply to the batteries and any other components within limited lifetime and wear.



Batteries should not be disposed of with general household waste.

Battery life and range

Optimal battery life is reached after 3 cycles of complete charge & discharge. When reaching the range limit and the conversation becoming crackly, move closer to the base. To reach optimal range, place the base station away from electrical appliances.

Battery life in standby mode	Battery life in communication	Indoor range	Outdoor range
up to 300 hours	up to 15 hours	up to 50 metres	up to 300 metres

Introduction

Belgacom screen saver






After 2 minutes of inactivity, the screen saver is displayed :



You can deactivate it (see page 31)

Belgacom

Idle mode


In idle mode, the TWIST 456 display shows various information :




- The date & time, the name of the handset and the instructions to access the menu.
- Missed calls , new SMS  or PhoneMail message , if any.
- “Do Not Disturb” mode , and the alarm clock , if activated.





To activate / deactivate these functions press  or 



Understanding the menu system






To access the carousel menu from idle mode, press . The carousel represents a loop of icons that gives access to the different first level menus.

Scroll left or right   to reach the desired menu and press  to select.

The sub menus are listed and represented by little squares  at the bottom of the display. To reach one particular sub-menu use the  and  keys and press  to validate your choice.


A “tick”  shows the selected sub-menu or option. The  shows the option you are browsing.

Note : some menus are also directly accessible via a dedicated key on the keypad like the Intercom with , the phonebook with  and the call log with .

How to navigate in the menus



Press to access the carousel menu

Scroll to **Sounds**, and press  to select

Scroll to **Handset ring tone vol.** and press  to select

The current level is heard, browse   to hear other levels

Browse through the levels and select one with 

Basic principles

To make and to answer a call

Pre dialling



Dial the number



Make the call

Direct dialling



Press the key



Dial the number

Answer a call

When ringing



Take the line

To call from the phonebook



Press to directly access **Phonebook**

Choose a name in the list

Make the call or press **OK** to select **Call** in the options

To store a name from predial



Dial the number



Press to enter the options



Scroll to **Store** and press **OK** to select



Enter the name and press **OK**

To store an SMS



Dial the number



Press to enter the options



Scroll to **Send SMS** and press **OK** to select



Select your SMS box (only if you have created several SMS boxes).
To create a SMS box please refer to **SMS settings** page 25



Enter the **Destination box** and press **OK**



Enter the text and press **OK**



Scroll to **Store** and press **OK** to select

Redial from call log



Press to directly access **Call log**



Choose an entry in the list



Make the call or press **OK** to select **Call** in the options

In call features

During an external call, some other options are available. Press **[OK]** to enter **Options**.

To mute the handset microphone



Press to enter **Options**

Press to select **Mute** (the caller can no longer hear you)

Press again to resume the conversation (**End mute**)

Intercom (available only if you have at least two handsets)

During an external call, you can use the intercom in-call option to call another handset and for example transfer the call to this handset.



Press to enter **Options**

Scroll to **Intercom** (the caller can no longer hear you)

If there is only one additional handset it rings automatically, otherwise select **[OK]** a handset from the list.

Scroll to **Transfer** when the second handset has taken the line and press **[OK]** to select.

Other options are available such as **Switch** and **Conference call** (see page 33).

To switch the handset loudspeaker ON / OFF

Press **[M]** to activate or deactivate the handset loudspeaker

Warning : Handsfree activation could suddenly increase the volume in the earpiece to a very high level. Make sure the handset is not too close to your ear.

To increase / decrease the handset & earpiece / loudspeaker volume during a call



Press **[V+]** to increase or **[V-]** to decrease the volume when on line

There are 5 volume levels available. The last setting is stored for the next calls.

To access the phonebook or the call log during an external call


Press **[OK]** to enter the **Options**. Scroll to **Phonebook** or **Call log** and press **[OK]** to select.

Caller Line identification and Call waiting




If you subscribe to the Call waiting service, a beep in the earpiece informs you of a second incoming call. The name or number of the second caller may be displayed if you also subscribe to Caller Display service. To answer that second call, use **[C/R] + [2]**.




Editing systems


Case mode

By default, the first letter of a sentence is in upper case. Use  (short press) to change the case mode :

- all letters in upper case (AB)
- all letters in lower case (ab) or
- the first letter in upper case and the rest of the word in lower case (Ab).

Punctuation and mathematical marks are available through  and  while other special characters are also available on  (see table page 20).

Use the left & right keys   to move the cursor left or right. Press  to delete a character; a long press deletes the whole text.

TWIST 456 uses two editing systems : Multi-tap and Eatoni[®]. While editing, a long press on  enables you to switch between the two systems.


The standard multi-tap system

This system allows you to enter the text character by character, pressing the corresponding key as many times as necessary to reach the desired character.

The Eatoni[®] system is a predictive editing system designed to help you to write an SMS. A little E in the header helps you to know the mode you are using.

Eatoni[®] is a word editor that chooses the most probable letter.

The operation of the Eatoni[®] system is the following :


Press the key that displays the character you want to edit. The character that is most likely to be correct is displayed on the screen. If it does not match the expected letter, press  to display the next most probable character available on the key.

Let's compare Multitap and Eatoni[®] systems to write "Paul".

To write "Paul" with multi-tap

Press  once : P


Press  once : Pa

Press  twice : Pau


Press  three times : Paul

Keypad Keys	Multi-tap Sequence
1	[space] @ _ # = < > () & € £ \$ ¥ [] { } ¤ §
2	a b c 2 à ä ç â æ
3	d e f 3 è é Δ φ
4	g h i 4 ì Γ
5	j k l 5 Λ
6	m n o 6 ñ ò ö
7	p q r s 7 β Π θ Σ
8	t u v 8 ù ü
9	w x y z 9 φ Ω Ξ Ψ
0	. 0 , / ; " ' ! ? ; * + - % \ ^ ~

To write "Paul" with Eatoni[®]


Long press  to activate Eatoni[®]

Press  : S

Press  to change character : P

Press  : Pa

Press  : Pat

Press  several times to change the letter : Pau

Press  : Paul

Press  to validate the name

**SMS**

- ☐ Send new SMS
- ☐ Read SMS
- ☐ SMS settings

You can use your TWIST 456 to send and receive SMS messages. With the Belgacom SMS service, you are able to send messages to a fixed network telephone number or to a mobile phone. Your messages can be received as text messages by all phones which support the SMS service. If a telephone does not support the SMS service, the message will be automatically converted into voice mail and read to the recipient. When you send an SMS message, your telephone number is automatically transmitted to the recipient.

Requirements :

If you would like to receive SMS messages, we recommend you to call the telephone number 0800 17173 and to follow the directions you will be given. In order to be able to send and receive SMS messages, the numbers of the SMS servers responsible for sending (01717) and receiving (01717) them must be programmed on your TWIST 456 (see page 27). By default the server numbers of Belgacom have already been programmed on your telephone : this means you can send SMS messages without having to make any additional settings.

In order to be able to send and receive messages, it is necessary set up a sub-address. When you purchase your TWIST 456 your telephone is preset to the sub-address 0 (see page 26). In order to be able to receive SMS messages, one (or more than one) inbox number(s) must be added at the end of your telephone number. This inbox number is comparable with a letter box which is assigned to a particular house number in a road. The numbers 0 to 9 can be used as inbox numbers.

Example : The inbox number of handset 1 is 0 and the inbox number of handset 2 is 3.

When someone wants to send you an SMS via a mobile phone, he/she must enter the inbox number of the receiving phone (if his network operator supports this supplementary service) at the end of your telephone number.

Example : 02 202 41 11 0 or 02 202 41 11 3

If the sender does not specify an inbox number, Belgacom automatically sends the SMS message to the inbox with the number 0. For this reason, we recommend you to continue to use the sub-address 0 for one of your handsets. The inbox number 0 is the default setting.



Send new SMS

To send an SMS to a phone

	Press to enter the carousel menu
	Press to select SMS
	Press to select Send new SMS
	Select your SMS box (only if you have created several SMS boxes)
	To create a SMS box please refer to SMS settings page 25
	Enter the password if any and press (optional)
	Enter the phone number directly and press or press to retrieve the number from the Phonebook
	Enter the Destination box number (optional), press .
	Note : the destination box is the SMS box of the receiver.
	Enter the text and press (see page 19)
	Press to select Send now , otherwise
	if you want to store your SMS, scroll to Store and press to select.
	The SMS stored can be later retrieved from Read SMS

The sent SMS can be up to a maximum of 160 characters long. The special characters €,] and [count for 2. The TWIST 456 can store a variable number of SMS for the 10 boxes.

Read SMS

The SMS list contains the stored and received SMS.

The received SMS are shown by and the stored SMS are shown .

To read an SMS / to view the number

	Press to enter the carousel menu
	Press to select SMS
	Scroll to Read SMS and press to select



Select your SMS box (only if you have created several SMS boxes)
To create a SMS box please refer to **SMS settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with

Press to select **Read SMS**

or scroll to **View number** and press

To reply to an SMS



Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)
To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with the one you want to reply to

Scroll to **Reply** and press to select

Enter the text and press

Press to select **Send now**

To forward an SMS



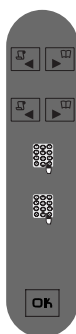
Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)
To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)



Browse the list of SMS and select with the one you want to forward

Scroll to **Forward** and press to select

Enter the number and press

Enter the **Destination box** number (if any) and press

You can modify the text if necessary or press

Press to select **Send now**

To send again



Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)

To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with the one you want to send again

Scroll to **Send again** and press

To delete an SMS



Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)

To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with the one you want to delete

Scroll to **Delete SMS** and press

Press to confirm



To copy a number to the phonebook



Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)

To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with

Scroll to **Copy to phonebook** and press to select

Enter the name and press

To call from the SMS list



Press to enter the carousel menu

Press to select **SMS**

Scroll to **Read SMS** and press to select

Select your SMS box (only if you have created several SMS boxes)

To create a SMS box please refer to **SMS Settings** page 25

Enter the password if any and press (optional)

Browse the list of SMS and select with

Scroll to **Call** and press to select or make the call

SMS settings

To set the SMS mode

If there are 2 SMS-enabled phones on your telephone line, you will have to deactivate the SMS feature on 1 of the devices or set different SMS boxes for each handset.



Press to enter the carousel menu

Press to select **SMS**



Scroll to **SMS settings** and press to select

Press to select **Mode**

Press to select **On** or scroll to **Off** and press

To set your personal SMS boxes



Press to enter the carousel menu

Press to select **SMS**

Scroll to **SMS settings** and press to select

Scroll to **SMS boxes** and press to select

Scroll to **Add new** and press to select

Enter the SMS box number and press

Enter the password twice and press (optional)

To change the password of an SMS box



Press to enter the carousel menu

Press to select **SMS**

Scroll to **SMS settings** and press to select

Scroll to **SMS boxes**, select the one for which you want to change the password and press

Press to select **Change password**

Enter the old password and press

Enter the new password twice and press

Note : If you forgot your password you can delete the corresponding SMS box

To delete an SMS box



Press to enter the carousel menu

Press to select **SMS**



Scroll to **SMS settings** and press **OK** to select

Scroll to **SMS boxes** and select the one you want to delete and press **OK**

Scroll to **Delete** and press **OK**

Press **OK** to confirm

Warning : when an SMS box is deleted, all the SMS contained in this box are deleted at the same time.

To choose by default an SMS centre



Press to enter the carousel menu

Press to select **SMS**

Scroll to **SMS settings** and press **OK** to select

Scroll to **SMS centre** and press **OK**, choose an SMS centre

Press to select **Choose by default**

To set the SMS centre number(s)

The SMS are sent through a centre. To receive an SMS from another operator, you must set the corresponding numbers.



Press to enter the carousel menu

Press to select **SMS**

Scroll to **SMS settings** and press **OK** to select

Scroll to **SMS centre** and press **OK** to select

Choose an SMS centre and press **OK** to select

Scroll to **Edit incoming number** and press **OK** to select

Enter the number and press **OK**

Scroll to **Edit outgoing number** and press **OK** to select

Enter the number and press **OK**



Handset

- | | |
|-----------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Babysit mode | <input type="checkbox"/> Display contrast |
| <input type="checkbox"/> Registration | <input type="checkbox"/> Backlight |
| <input type="checkbox"/> Rename handset | <input type="checkbox"/> Screen saver |
| <input type="checkbox"/> Date & time | |

Babysit mode

if there are at least 2 handsets

This feature allows you to monitor the baby's room. Place the handset in the room to be monitored and you will hear the noise coming from the room on the additional handset.



To activate / deactivate the babysit mode

Press to enter the carousel menu

Scroll to **Handset** and press to select

Press to select **Babysit mode**

Select **On** or scroll to **Off** and press to confirm

An intercom is necessary to monitor the room (see page 33).

Note : during an intercom, you can still answer a call or make a call with the handset

Registration

Up to 6 handsets can be registered to the base station. One handset can be registered to 4 base stations.

Warning : If you wish to register non Philips handsets to the TWIST 456 base station, make sure that this handset is GAP compliant otherwise it will not operate properly (see page 13).

To register a new handset

Unplug and plug back in the mains lead to put the base in registration mode and start the following procedure immediately after that.



On the additional handset press

Enter the 4-digit RC code written on the sticker placed under the base station and press



To register a handset

Unplug and plug back in the mains lead to put the base in registration mode and start the following procedure immediately after that.



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Registration** and press to select

Press to select **Register handset**

Enter the 4-digit RC code written on the sticker placed under the base station and press

To unregister a handset



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Registration** and press to select

Scroll to **Un-register handset** and press to select

Choose the handset to un-register from the list and press

Enter the 4-digit RC code and press

Note : should you have your handset serviced alone, please make sure it is un-registered from the base station before taking it back to the repair centre.

To select a base station

To use a handset with another base station.



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Registration** and press to select

Scroll to **Base selection** and press to select

Choose the base station from the list and press

Warning : the handset will automatically operate with the last base station to which it was registered. If the handset is out of range, it will automatically search for another base station from the list.



Rename handset

To rename a handset



Press to enter the carousel menu

Scroll to **Handset** and press **OK** to select

Scroll to **Rename handset** and press **OK** to select

Long press to delete the current name

Enter the name and press **OK**

Language

To change the language of the handset menus



Press to enter the carousel menu

Scroll to **Handset** and press **OK** to select

Scroll to **Language** and press **OK** to select

Select your language in the list and press **OK** to select

Date & time

To set the date and time



Press to enter the carousel menu

Scroll to **Handset** and press **OK** to select

Scroll to **Date & time** and press **OK** to select

Select **Set date**

Enter the current date and press **OK**

Scroll to **Set time** and press **OK** to select

Enter the current time and press **OK**



Display contrast

To set the display contrast



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Display contrast** and press to select

Browse through the levels and select with the appropriate one

Backlight

To set the display backlight duration or deactivate it



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Backlight** and press to select

Browse through the durations **Off** / **10 seconds** / **20 seconds** and select with

Screen saver

After 2 minutes of inactivity, the screen saver is displayed. You can choose to activate or deactivate it.

To activate or deactivate the screen saver



Press to enter the carousel menu

Scroll to **Handset** and press to select

Scroll to **Screen saver** and press to select

Press to select **On** or scroll to **Off** and press



Intercom

- ☐ Call all
- ☐ Handset list

Intercom menu is accessible via the carousel or

Using the Intercom

(if there are at least 2 handsets)

This feature allows you to make free internal calls, transfer external calls from one handset to another, use the conference option and the babysit feature (room monitoring; see page 33).

Internal call



Press to call the selected handset + handset number (for example)

Hang up

Note : If the handset does not belong to the Belgacom TWIST 456 range, this function may not be available.

Fast call transfer when on line

During a call you can transfer the call without waiting for the other handset to pick up. All the handsets will then ring.



Press and select the option **CALL ALL** and press

Hang up

Note : the person on hold hears music

Call transfer to a specific handset when on line

During a call you can transfer the call to a specific handset.



Press to call the selected handset + handset number (for example)

Hang up

Note : the person on hold hears music

Call transfer via the in-call options

During a call you can transfer the call via the in call options.



Press to enter the options (with handset 1)

Scroll to **Intercom** and press to select

If there is only one additional handset, it rings automatically. Otherwise :

Browse through the handset list and select with the one you want to transfer the call to.



The called handset rings. The external call is put on hold. If there is no answer from the called handset you can resume the call on the first handset.

Take the line on the called handset, both internal callers can talk

Press to select **Transfer** (with handset 1)

Scroll to **Switch** and come back to the external caller

Note : to answer the call on the second handset you can press

Conference call via the in-call options

Conference call allows one external call to be shared with two handsets (in intercom). The 3 people can share the conversation. No operator subscription is needed.



Press to enter the options (with handset 1)

Scroll to **Intercom** and press to select

If there is only one additional handset, it rings automatically. Otherwise :

Browse through the handset list and select with the one you want to call.

The called handset rings. The external call is put on hold. If there is no answer from the called handset you can resume the call on the first handset.

Take the line on the called handset, both internal callers can talk

Scroll to the **Conference call** option and press to select.

The 3 people can share the conversation.

Note : to answer the call on the second handset you can press

To initiate the babysit mode (room monitoring)

if there are at least two handsets registered on the same base

To use the babysit mode feature you need to activate it (see page 28) & initiate an intercom. Place the handset in the room to be monitored and you will hear the noise coming from the room on the additional handset.



Press to enter the options

Scroll to **Intercom** and press to select

If there is only one additional handset, it switches automatically in room monitoring. Otherwise :


Browse through the handset list and select with the one you want to call.

The called handset switches automatically in room monitoring.



Phonebook

- ☐ Add new
- ☐ View

Phonebook menu is accessible via the carousel or 

250 names and numbers can be stored in the phonebook (shared with all handsets). The phonebook contains all the information related to the callers, especially the group settings. The names and numbers are shared with all the handsets registered to your base.

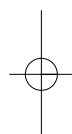
Group settings

There are 3 groups (group A, group B and group C). When ringing, the ring tone helps you identify the caller's group (see page 43) and the screen shows the caller's name. A subscription to the Caller Line identification is needed.


Add new


The names are stored in alphabetical order.

To add a name to the phonebook




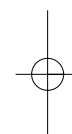
Press to enter the carousel menu

Scroll to **Phonebook** and press  to select



Scroll to **Add new** and press  to select


Enter the number and press 

Enter the name and press  (see page 19 "Editing systems")



To store a name and number from predial

Once the number is dialled, press  to reach the options, scroll to **Store** and press  to select.

Enter the name and press 

View

To quickly reach a name in the list, enter the first character and browse through the list if several names start with the same letter.



To call



Press to directly reach the list of names

Browse through the list of names

Make the call

Or press to reach the options

And press again to select **Call**

To change a number



Press to directly reach the list of names

Browse through the list of names and press **OK** to select a name

Scroll to **Change number** and press **OK** to select

Press to erase the current number

Enter the new number and press **OK**

Note : it is possible to erase the current number with a long press on **C/R**. You can simply change any digit by moving the cursor or to reach the digit and make a single press on **C/R**.

To change a name



Press to directly reach the list of names

Browse through the list of names and press **OK** to select a name

Scroll to **Change name** and press **OK** to select

Press to erase the current name

Enter the new name and press **OK**

Note : it is possible to erase the current name with a long press on **C/R**. You can simply change any letter by moving the cursor or to reach the letter and make a single press on **C/R**.



To define a group for a name and number

(see Group settings page 34)



Press to directly reach the list of names

Browse through the list of names and press **OK** to select a name

Scroll to **Select group** and press **OK** to select

Browse through the groups and select with **OK**

To change the SMS box number



Press to directly reach the list of names

Browse through the list of names and press **OK** to select a name

Scroll to **Change SMS box** and press **OK** to select

Enter the destination box number and press **OK**

To delete an entry



Press to directly reach the list of names

Browse through the list of names and press **OK** to select

Scroll to **Delete** and press **OK** to select

Press **OK** to confirm

To send an SMS from the phonebook



Press to directly reach the list of names

Browse through the list of names and press **OK** to select

Scroll to **Send SMS** and press **OK** to select

Select your SMS box (only if you have created several SMS boxes)

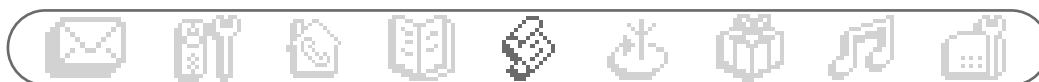
To create a SMS box please refer to **SMS settings** page 25

Enter the password and press **OK** (optional)

Enter the **Destination box** number (optional), press **OK**


Enter the text and press **OK** (see page 19)

Press to select **Send now**



Call log

- ☐ View
- ☐ Delete all
- ☐ Call log settings

Call log menu is accessible via the carousel or 

The call log can store up to 40 entries

-  : unanswered calls
-  : outgoing calls
-  : answered calls
-  : messages (in the PhoneMail)

The call log shows the list of outgoing calls.

If you have subscribed to the Caller Line Identification (CLI), you will also have the list of incoming calls. In this case the name (or number) of the callers will be displayed. The date & time of the call are also shown. If you have no subscription, the display shows "Unknown caller" as well as the date & time of the call.

View

To view the call log



Press to directly reach the calls list

Browse through the list and read the information

To call / redial





Press to directly reach the calls list

Browse through the list and press  to select an outgoing call entry* 

Press to call

Or press to select **Call** in the options

* **Note** : to be able to call back a correspondent in the case of an incoming call (answered  or unanswered ), you need to subscribe to the Caller Line Identification service.



To view the number



Press to directly reach the calls list

Browse through the list and press **OK** to select an entry

Scroll to **View number** and press **OK** to select

To store the caller's number



Press to directly reach the calls list

Browse through the list and press **OK** to select an entry

Scroll to **Store** and press **OK** to select

Enter the name and press **OK**

To delete a name and a number



Press to directly reach the calls list

Browse through the list and press **OK** to select an entry

Scroll to **Delete** and press **OK** to select

Press **OK** to confirm your choice

To send an SMS from the call log



Press to directly reach the calls list

Browse through the list and press **OK** to select an entry

Scroll to **Send SMS** and press **OK** to select

Select your SMS box (only if you have created several SMS boxes)

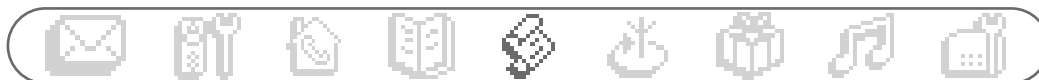
To create a SMS box please refer to **SMS settings** page 25

Enter the password and press **OK** (optional)

Enter the **Destination box** number (optional), press **OK**

Enter the text and press **OK** (see page 19)

Press to select **Send now**





Delete all

To delete all the call log



Press to enter the carousel menu

Scroll to **Call log** and press  to select

Scroll to **Delete all** and press  to select


Press to confirm 

Call log settings




You can set the call log to store information about incoming calls and / or outgoing calls.




Press to enter the carousel menu

Scroll to **Call log** and press  to select

Scroll to **Call log settings** and press  to select

Press to select **Incoming calls** or scroll   to **Outgoing calls** and press  to select

Browse through the options and press  to select the one that suits you



Network (Belgacom services)

This feature allows you to activate or deactivate network services that are subscription dependent. You need to set up codes (see page 47).

Contact Belgacom for more details. You can usually subscribe to Call forward, Belgacom phoneMail, etc.


Example of service : Call forward

Calls can be redirected to another phone number. Set the code (see page 47) and activate it when necessary.




To activate call forward



Press to enter the carousel menu

Scroll to **Network** and press  to select

Press to select **Call forward**

Enter the phone number directly and press  or press  to retrieve from the phonebook the number to which the calls are to be forwarded and press 

The number is automatically chained to the call forward prefix and the system dials the number

Hang up

From now on the calls will be redirected to the assigned phone number.

To deactivate call forward



Press to select **View**

Press to select **Cancel** and the system dials

Hang up

**Extra**

- ☐ Call duration
- ☐ Alarm clock
- ☐ Do Not Disturb mode

Call duration



Press to enter the carousel menu

Scroll to **Extra** and press **OK** to select

Press to select **Call duration**

The total communication time is displayed

Press **OK** to **Reset** the counter

Alarm clock

To set the alarm clock



Press to enter the carousel menu

Scroll to **Extra** and press **OK** to select

Scroll to **Alarm clock** and press **OK** to select

Scroll to **Set day** and press **OK** to select. Choose a day.

Scroll to **Set time** and press **OK** to select

Enter the time and press **OK**

When the alarm rings, press any key to stop it. The snooze is then activated (will ring again every 5 minutes). To definitely stop it press **OK**.

To activate / deactivate the alarm clock

A long press on **OK** activates / deactivates the alarm clock with your own settings.



To set the alarm ring tone type and ring tone volume



Press to enter the carousel menu

Scroll to **Extra** and press to select

Scroll to **Alarm clock** and press to select

Scroll to **Settings** and press to select

Press to select **Ring tones**

Choose among the available ring tones and press to select

Scroll to **Ring tone volume** and press to select

Choose among the available volume levels and press to select

Do Not Disturb mode

This feature allows you to screen calls after a certain time in the evening or when you do not want to be disturbed. Enter the time and select the group(s) allowed to call you. If none of the 4 groups is selected but the feature is activated, then nobody will be able to reach you. If the caller does not belong to an allowed group, the handset and base station will remain silent, while the caller will hear ringing. The feature is deactivated by default. You need to subscribe to the Caller Line Identification service (CLI).

To set the Do Not Disturb mode



Press to enter the carousel menu

Scroll to **Extra** and press to select

Scroll to **Do Not Disturb mode** and press to select

Scroll to **Set day**, press to select the day and press

Scroll to **Start time**, enter the time and press

Scroll to **Stop time**, enter the time and press

Scroll to **Allowed caller choice**, activate the callers group(s) allowed to call you and press to select

Warning ! only allowed callers will be able to reach you during the selected day & time

A long press on activates / deactivates this mode with your own settings.



Sounds


- ☐ Handset ring tones
- ☐ Group ring tones
- ☐ Handset ring tone volume
- ☐ Settings

Handset ring tones

To set the external ring tone (ring tone for external calls)




Press to enter the carousel

Scroll to **Sounds** and press  to select

Press to select **Handset ring tones**


Press to select **External ring tone**

Browse through the list of ring tones and press  to select one

To set the internal ring tone (ring tone for internal calls)




Press to enter the carousel

Scroll to **Sounds** and press  to select

Press to select **Handset ring tones**

Scroll to **Internal ring tone** and press  to select

Browse through the list of ring tones and press  to select one


Group ring tones

To set the group ring tones

There are 3 groups of callers (see page 34 Group settings). You can associate 1 ring tone to a group.



Press to enter the carousel

Scroll to **Sounds** and press  to select

Scroll to **Group ring tones** and press  to select



Scroll through the 3 different groups and press **OK** to select one

Browse through the list of ring tones and press **OK** to select

Handset ring tone volume



Press to enter the carousel

Scroll to **Sounds** and press **OK** to select

Scroll to **Handset ring tone vol.** and press **OK** to select

The current level is heard, browse through the levels to hear them

Press to select the appropriate volume

Settings

To set the earpiece tone



Press to enter the carousel

Scroll to **Sounds** and press **OK** to select

Scroll to **Settings** and press **OK** to select

Scroll to **Earpiece tone** and press **OK** to select

Browse through the options and press **OK** to select the appropriate setting

To set the key & feedback tones



Press to enter the carousel

Scroll to **Sounds** and press **OK** to select

Scroll to **Settings** and press **OK** to select

Scroll to **Key & feedback tones** and press **OK** to select

Press to select **On** or scroll to **Off** and press **OK** to select



To set the notification beep



Press to enter the carousel

Scroll to **Sounds** and press to select

Scroll to **Settings** and press to select

Scroll to **Notification beep** and press to select

Press to select **On** or scroll to **Off** and press to select

To activate / deactivate the music on hold

The feature allows the caller to hear music when the call is put on hold when transferring a call from one handset to the other.



Press to enter the carousel

Scroll to **Sounds** and press to select

Scroll to **Settings** and press to select

Scroll to **Music on hold** and press to select

Press to select **On** or scroll to **Off** and press to select



Base station

- ☐ Enable registration
- ☐ Line settings
- ☐ Service code settings

Enable registration

This feature allows you to register a DECT peripheral without keypad. Some DECT peripherals, such as repeaters, do not have any keypad. A special menu-operated procedure is used to register such peripherals to the base station. Also use the peripheral instructions to register it to the base.

To register a DECT peripheral



Press to enter the carousel menu

Scroll to **Base station** and press to select

Press to select **Enable registration**

Enter the peripheral code (RC code) and press

Follow the instructions in the peripheral manual

Line settings

To change the recall type



Press to enter the carousel menu

Scroll to **Base station** and press to select

Scroll to **Line settings** and press to select

Press to select **Recall type**

Press to select **Short flash** or scroll to **Long flash** and press to select



To select the language



Press to enter the carousel menu

Scroll to **Base station** and press to select

Scroll to **Line settings** and press to select

Scroll to **Choose language** and press to select

Browse through the list of languages and press to select the appropriate one

To activate and deactivate the first ring

To prevent the phone from ringing when receiving an SMS, the first ring tone is deactivated. You can activate it.



Press to enter the carousel menu

Scroll to **Base station** and press to select

Scroll to **Line settings** and press to select

Scroll to **First ring** and press to select

Press to select **On** or scroll to **Off** and press to select

Belgacom service code settings

When you subscribe to extra services with Belgacom you may need to set some codes in your phone.



Press to enter the carousel menu

Scroll to **Base station** and press to select

Scroll to **Service code settings** and press to select

Browse through the list of services and press to select

Enter the code and press

FAQ

1/ I have no dialling tone after having installed my phone. How do I solve this problem?

Check that you have connected your phone using the supplied line cable and not the one from any previous phone (they are often wired differently).

Check that you have fully charged the handset according to the instructions given for the phone.

Check that the aerial icon (radio link with the base station) is displayed. If the handset is not registered you may need to register it (see page 28).

2/ Can the handset be left on the base all the time?

Yes there is no "memory effect". The handset can be left on the base station for all current models using NiMh batteries.

3/ Will my phone lose all recorded data (phonebooks entries) in the case of a general power cut?

No it will not. The data recorded in your phone is not deleted in the case of a general power failure or when you unplug your base station or when you replace the batteries.

4/ Is it possible to write, read, send or receive an SMS when the other handset is in communication (Belgacom Duo packs only)?

No it is not possible.

5/ What happens if I send an SMS to a fixed line with no SMS phone ?

The correspondent could receive a vocal message.




6/ What is the destination box useful for ?

This is the number of a personal SMS box. It is a way to send an SMS to someone's personal box instead of sending it to the default box, which is a kind of common box. If you send an SMS without specifying an SMS box number (destination box), then the SMS will be sent to the default box 0 (common box), if the receiver's phone deals with multiboxes features and he has an SMS service subscription.

Troubleshooting

www.philips.com/support

Telephone troubleshooting

PROBLEMS	CAUSES	SOLUTIONS
The icon  does not scroll when the handset is placed on the base	<ul style="list-style-type: none"> - Bad battery contact - Dirty contact - Battery is full 	<ul style="list-style-type: none"> - Move the handset slightly - Clean the contact with a cloth moistened with alcohol - No need to charge
No dialling tone	<ul style="list-style-type: none"> - No power - Batteries are empty - You are too far from the base station - Wrong cable 	<ul style="list-style-type: none"> - Check the connections. Reset the phone : unplug and plug back in the mains - Charge the batteries at least 24 hours - Move closer to the base station - Always use the cable provided
No ring tone	<ul style="list-style-type: none"> - The ring tone is deactivated - The Do Not Disturb mode is ON 	<ul style="list-style-type: none"> - Increase the volume (page 44) - Deactivate it (page 42)
The icon  does not appear	<ul style="list-style-type: none"> - No mains power - The handset is too far from the base station 	<ul style="list-style-type: none"> - Check connections - Move closer to the base station
The icon  is blinking	Handset not registered to the base station	Register the handset to the base (page 28)
Crackling on the line	<ul style="list-style-type: none"> - You are too far from the base station - The base station is too close to electrical appliances, reinforced concrete walls or metal door-frames 	<ul style="list-style-type: none"> - Move closer to the base station - Move the base station to find a better place (the higher the better)
<ul style="list-style-type: none"> - The handset displays "Not available" - when attempting to add another handset to the base station - when using a handset 	<ul style="list-style-type: none"> - The procedure to add a handset has failed, try again - Maximum number of handsets (6) has been reached - Base station is already busy with another handset (ie : phonebook) 	<ul style="list-style-type: none"> - Disconnect and connect the base station power supply. Follow the procedure to register a handset (page 28). - Un-register a handset (page 29) - Wait until it is available
Noise interference on your radio or television	The TWIST 456 base station or mains power pack are too close to electrical appliances	Move the power pack or base station as far as possible
Caller Line Identification (CLI) service does not work	The service is not activated	Contact Belgacom

PROBLEMS	CAUSES	SOLUTIONS
A phonebook entry cannot be memorised	The phonebook is full	Delete an entry to free memory
No new SMS are received	<ul style="list-style-type: none"> - SMS memory is full - The SMS mode is deactivated 	<ul style="list-style-type: none"> - Delete old SMS - Activate it (page 25)
No SMS can be sent or received	<ul style="list-style-type: none"> - SMS mode is OFF - You have no subscription - Another SMS-enabled phone with the same sub-address is also on your line 	<ul style="list-style-type: none"> - Activate SMS mode (page 25) - Contact Belgacom for more information - Deactivate the SMS mode on one of the device or set different sub-addresses
No caller Id / poor audio quality / Poor connection quality with broadband DSL internet	<ul style="list-style-type: none"> - DSL filter(s)/splitter missing or insufficient number of filters - Modem &/or phone plugged in the wrong DSL filter slot - Defective DSL filter(s) 	<ul style="list-style-type: none"> - Make sure you have one DSL filter plugged directly on each line socket used in the house - Check the modem and the phone are plugged in the correct filter slot (one specific for each) - The filter(s) can be defective. Replace it/them and make another test

Guarantee

The terminal described was specially selected for you by Belgacom. Unless otherwise stipulated by contract, the terminal carries a two years guarantee covering the cost of spare parts and labour due to a material or manufacturing defect.

The guarantee will take effect as from the date on which the device is collected or delivered.

If you should have any difficulties with your terminal, you should go to one of our Téléboutiques or to one of our authorized sales agencies, bringing with you the sales slip and the complete device in its original packaging or a packaging ensuring a similar degree of protection.

The addresses of our Téléboutiques and authorized sales agencies are in the information pages of the telephone Directory.

In the event of defective material or a manufacturing defect, your device will be repaired or replaced free of charge on presentation of the sales slip.

Belgacom alone will determine what repairs and / or replacements will be necessary. The guarantee period applicable to a device which has been repaired or replaced will end on expiry of the guarantee period applicable to the device purchased but may not be less than three months.

The guarantee does not cover :

- damage of any kind, the origin of which is not prior to the sale;
- any damage, malfunction or defect due to a fault of the customer or the cause of which is external to the device : lightning, voltage surge, humidity, accidental deterioration, improper use or poor maintenance, failure to follow the instructions or any case of force majeure;
- repair or replacement of the movable elements (cords, wires, plugs, antennas, etc.), replacement of accessory elements, the regular renewal of which is necessary (batteries, paper, ink, etc.) or the supply of cleaning products.

The guarantee will not apply :

- if the customer personally modifies or repairs the device or does so with the assistance of any person who is not authorized by Belgacom;
- or if the customer removes or falsifies the manufacturing numbers and / or the markings on the terminal. Belgacom will not be liable for any indirect or non-material loss suffered by the customer due to a malfunction of the terminal such as in particular a production loss, loss of earnings or loss of a contract.

The general terms and conditions applicable to our terminals may be obtained on application to any of the Belgacom departments accessible to the public or see www.belgacom.be.

belgacom

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Index

A Add new (phonebook) 34 Alarm clock 41 Answer a call 17 B Babysit mode 28, 33 Backlight 31 Base keys 4 Base installation 15 Batteries & battery life 15 C Call duration 41 Call forward 40 Call log settings 39 Call transfer 32 Change name 35 Change number 35 Choose language 47 Conference call 33 Conformity 11 Copy to phonebook 25 D Date and time 30 Declaration of conformity 13 Define groups 36 Delete all (call log) 39 Delete call log entry 38 Delete an entry (phonebook) 36 Delete an SMS 24 Destination box 36 Display contrast 31 Do Not Disturb mode 42 E Earpiece tone 44 Edition mode 19 Enable registration (DECT peripheral) 46 Environmental care 12 F FAQ 48 First ring 47 Forward SMS 23 G GAP 13 Groups 36, 43 Guarantee 51 H Handset keys 2 Handset ring tones 43 I Icons 3 Idle mode 16 Intercom 18, 32 Internal call 32	K Key & feedback tones 44 Keypad lock/unlock 2 L Language 30 Language selection screen 1 Line settings 46 Loudspeaker 2, 18 M Make calls 17, 25, 35, 37 Music on hold 45 Mute 18 N Navigation in menus 16 Network 40 Notes 53 Notification beeps 45 O Outgoing messages 22 P Phonebook 34 Predial 17 R Range 15 Read SMS 22 Recall type 46 Redial 17 Register handset 29 Rename handset 30 Ring tone type (alarm) 42 Ring tone volume (alarm) 42 S Screen saver 16, 31 Send new SMS 22 Send SMS (from phonebook) 36 Send SMS (from call log) 38 Service codes settings 47 SMS box 26 SMS centre 26, 27 SMS mode 25 SMS settings 25 Services Belgacom 40 Settings Belgacom codes 47 T Troubleshooting 49, 50 U Unpacking your TWIST 456 14 Unregister handset 29 V View the call log 37 Volume (earpiece) 18 Volume (ring tone) 44
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Notes