

vtech[®]

ErisTerminal[®] SIP Deskset

ET605

User Guide



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Congratulations

on your purchase of this VTech product. Before using this product, please read "Important information" on page 8 of this manual. Please thoroughly read this user's manual for all the feature operations and troubleshooting information necessary to install and operate your product. You can also visit our website at **businessphones.vtech.com** or call **1 (888) 370-2006**.

Please note the serial number of your product, which can be found on the back of the deskset. Save your sales receipt and original packaging in case it is necessary to return your telephone for warranty service.

This user guide contains detailed instructions for using your ET605 SIP deskset with software version 8.10.1.x. Open the **Settings** menu  > **Information** > **System Info** to display the software version of your ET605. Please read this manual before using the product.

Important information



This symbol is to alert you to important operating or servicing instructions that may appear on the product or in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

WARNING: The product included (ITE) in this manual is to be connected only to PoE networks without routing to the outside plant.

Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. This product should be installed by a qualified technician.
2. This product should only be connected to the host equipment and never directly to the network such as Public Switch Telephone Network (PSTN) or Plain Old Telephone Services (POTS).
3. Read and understand all instructions.
4. Follow all warnings and instructions marked on the product.
5. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
6. Do not use this product near water such as near a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.
7. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
8. Slots and openings in the back or bottom of the telephone base and handset are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
9. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied at the premises, consult your dealer or local power company.
10. Do not allow anything to rest on the power cord. Do not install this product where the cord may be walked on.
11. Never push objects of any kind into this product through the slots in the telephone base or handset because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.
12. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the telephone base or handset other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
13. Do not overload wall outlets and extension cords.
14. Unplug this product from the wall outlet and refer servicing to an authorized service facility under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled onto the product.
 - C. If the product has been exposed to rain or water.

- D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operation instructions. Improper adjustment of other controls may result in damage and often requires extensive work by an authorized technician to restore the product to normal operation.
 - E. If the product has been dropped and the telephone base and/or handset has been damaged.
 - F. If the product exhibits a distinct change in performance.
15. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.
 16. Do not use the telephone to report a gas leak in the vicinity of the leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
 17. Only put the handset of your telephone next to your ear when it is in normal talk mode.
 18. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
 19. Use only the power adapter indicated in this manual.
Power adapter rating: 5 Vdc @ 2 A
 20. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
 21. In wall mounting position, make sure to mount the telephone base on the wall by aligning the eyelets with the mounting studs of the wall plate. Then slide the telephone base down on both mounting studs until it locks into place. Refer to the full instructions in **Deskset Installation** in the User Guide.
 22. CAUTION: Keep small metallic objects such as pins and staples away from the handset receiver.

SAVE THESE INSTRUCTIONS

For UL compliance only

Mesures de sécurité importantes



Ce symbole vous alertera d'informations importantes ou d'instructions d'entretien pouvant apparaître dans ce guide d'utilisation. Respectez toujours les mesures de sécurité et de sécurité de base lorsque vous utilisez ce produit, afin de réduire les risques de blessures, d'incendie, ou d'électrocution.

Mesures de sécurité importantes

Afin de réduire les risques d'incendie, de blessures corporelles ou d'électrocution, suivez toujours ces mesures préventives de base lorsque vous utilisez votre téléphone :

1. Cet appareil doit être installé par un technicien qualifié.
2. Cet appareil doit être branché à un équipement hôte et jamais branché à un réseau, tel qu'un réseau PSTN publique ou un réseau téléphonique standard (POTS).
3. Lisez et comprenez bien toutes les instructions.
4. Observez toutes les instructions et mises en garde inscrites sur l'appareil.
5. Débranchez ce téléphone de la prise murale avant de le nettoyer. N'utilisez pas de nettoyeurs liquides ni en aérosol. N'utilisez qu'un chiffon doux et légèrement humecté.
6. N'utilisez pas ce produit près de l'eau, tel que près d'un bain, d'un lavabo, d'un évier de cuisine, d'un bac de lavage ou d'une piscine, ou dans un sous-sol humide ou sous la douche.
7. Ne déposez pas ce téléphone sur un chariot, support ou table chancelants. L'appareil pourrait tomber et être sérieusement endommagé.
8. Le boîtier de l'appareil est doté de fentes et d'ouvertures d'aération situées à l'arrière ou en dessous. Afin d'empêcher la surchauffe, ces ouvertures ne doivent pas être obstruées en plaçant l'appareil sur un lit, divan, tapis ou autre surface similaires. Ne placez pas cet appareil à proximité d'un élément de chauffage ni d'une plinthe électrique. De plus, ne l'installez pas dans une unité murale ou un cabinet fermé qui ne possède pas d'aération adéquate.
9. Ne faites fonctionner cet appareil qu'avec le type d'alimentation indiqué sur les étiquettes de l'appareil. Si vous ne connaissez pas le voltage de votre maison, consultez votre marchand ou votre fournisseur d'électricité.
10. Ne déposez rien sur le cordon d'alimentation. Installez cet appareil dans un endroit sécuritaire, là où personne ne pourra trébucher sur la ligne d'alimentation ni le cordon téléphonique modulaire.
11. N'insérez jamais d'objets à travers les fentes et ouvertures de cet appareil, car ils pourraient toucher à des points de tension dangereux ou court-circuiter des pièces, ce qui constituerait un risque d'incendie ou d'électrocution. N'échappez pas de liquides dans l'appareil.
12. Afin de réduire les risques d'électrocution, ne démontez pas l'appareil, mais apportez-le plutôt à un centre de service qualifié s'il doit être réparé. En enlevant le couvercle, vous vous exposez à des tensions dangereuses ou autres dangers similaires. Un remontage inadéquat peut être à l'origine d'une électrocution lors d'une utilisation ultérieure de l'appareil.
13. Ne surchargez pas les prises de courant ni les rallonges électriques, car ceci peut constituer un risque d'incendie ou d'électrocution.
14. Débranchez cet appareil de la prise de courant et communiquez avec le département de service à la clientèle de VTech dans les cas suivants:
 - A. Lorsque le cordon d'alimentation est endommagé ou écorché.
 - B. Si du liquide a été échappé dans l'appareil.
 - C. Si l'appareil a été exposé à une source d'humidité telle que la pluie ou l'eau.

- D. Si l'appareil ne fonctionne pas normalement en suivant les directives du guide. N'ajustez que les commandes couvertes dans le guide d'utilisation, car un mauvais réglage de celles-ci peut être à l'origine de dommages, ce qui nécessiterait des réparations considérables pour remettre l'appareil à son état de fonctionnement normal.
 - E. Si l'appareil a été échappé ou son boîtier, endommagé.
 - F. Si le produit affiche une nette diminution de sa performance.
15. Évitez d'utiliser un téléphone (autre qu'un sans fil) pendant un orage. Les éclairs peuvent être à l'origine d'une électrocution.
 16. N'utilisez pas le téléphone pour rapporter une fuite de gaz à proximité de celle-ci. Sous certaines circonstances, une intécincelle pourrait survenir lorsque l'adaptateur est branché à une prise de courant, ou lorsque le combiné est déposé sur le combiné. Ceci est un événement commun associé avec la fermeture d'un circuit électrique. L'utilisateur ne devrait pas brancher le téléphone dans une prise de courant, et ne devrait pas déposer le combiné chargé sur le socle, si le téléphone se trouve dans un environnement où la concentration de gaz inflammables, sans ventilation adéquate. Une étincelle dans ces endroits pourrait provoquer un incendie ou une explosion. Ces environnements pourraient être l'utilisation médicale de l'oxygène sans ventilation adéquate; le gaz industriel (dissolvants, vapeurs d'essence, etc.); une fuite de gaz naturel, etc.
 17. Placez uniquement le combiné de votre appareil près de votre oreille lorsqu'il est en mode de conversation normal.
 18. Les adaptateurs sont conçus pour être orientés en position verticale ou en position horizontale sur le plancher.
 19. N'utilisez que cordon d'alimentation et les piles indiquées dans ce guide d'utilisation.
Note de l'adaptateur: 5 Vdc @ 2 A
 20. Pour les PRODUITS À BRANCHER À UNE PRISE DE COURANT, la prise de courant doit être installée près du produit, afin d'assurer une accessibilité sécuritaire à la prise de courant.
 21. En position de montage mural, assurez-vous de monter le socle du téléphone sur le mur en alignant les oeillets avec les goujons de fixation de la plaque murale. Ensuite, faites glisser le socle vers le bas sur les deux goujons de fixation jusqu'à ce qu'il se verrouille en place. Reportez-vous aux instructions complètes dans la section Installation dans ce guide d'utilisation.
 22. MISE EN GARDE : Éloignez les petits objets métalliques tels que les broches de l'écouteur du combiné.

CONSERVEZ CES INSTRUCTIONS

FCC part 15

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at the user's expense.

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

Industry Canada

This Class A digital apparatus complies with Canadian requirements: CAN ICES-3 (A)/NMB-3(A).

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

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

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

SELV (Safety Extra Low Voltage) compliance

Safety status of input/output connections comply with SELV requirements.

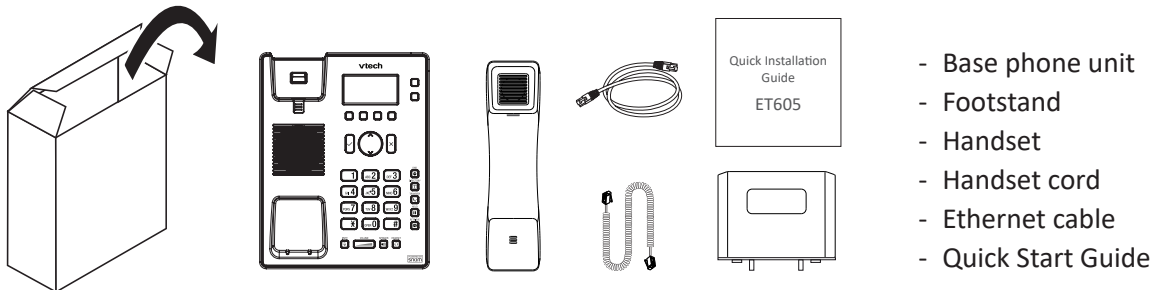
Warning: To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and PSTN ports contain TNV circuits. Some LAN and PSTN ports both use RJ-45 (8P8C) connectors. Use caution when connecting cables.

Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the device.

Setting up the phone

Delivery Content



Attaching and detaching the footstand

The footstand has four snap-fits, two narrower and longer ones and two wider and shorter ones.

Attaching

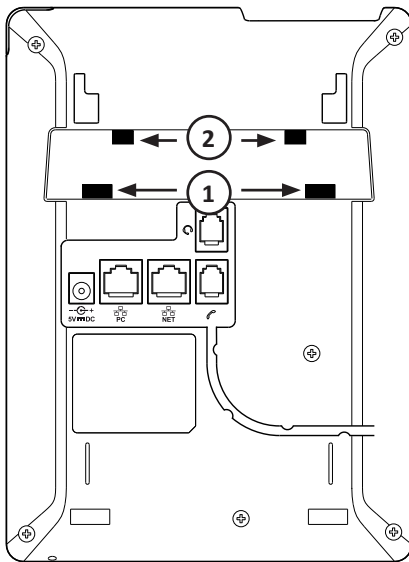


Fig 1

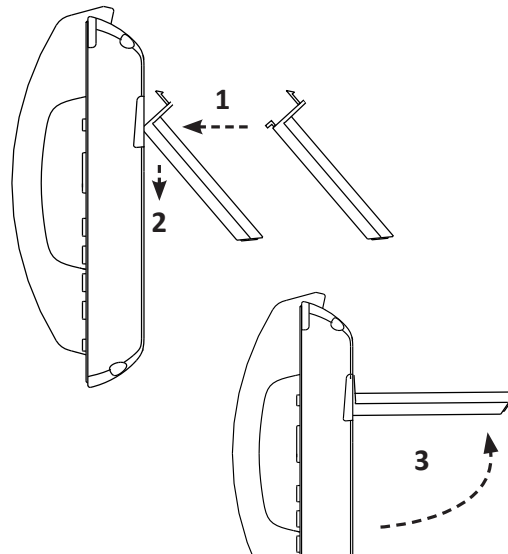


Fig. 2

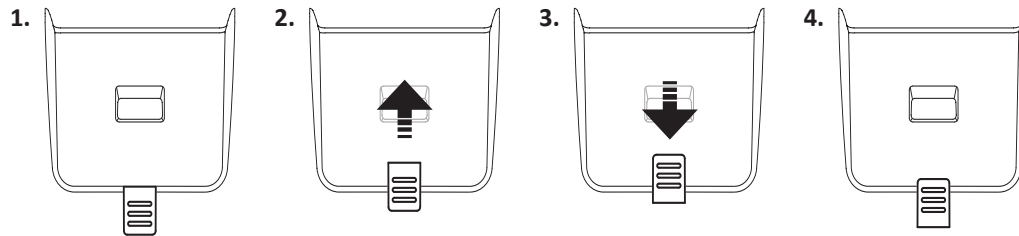
1. Insert the wider and shorter snap-fits into the holes marked ① (Fig. 1), as shown in steps 1 and 2 (Fig. 2).
2. Tilt the footstand upwards as shown in step 3 (Fig. 2) and insert the narrower and longer snap-fits into the holes marked ② (Fig. 1). Please note that you will encounter a slight resistance when inserting the hooks.

Detaching

Lightly press downward on the free end of the footstand until the hooks on the two narrower/longer snap-fits are released from the holes marked ② (Fig. 1), then pull the footstand upwards and away from the bottom shell of the phone.

Rotating the tab of the cradle

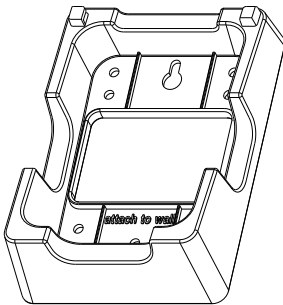
The phone is delivered with the tab level with the inner edge of the cradle (Fig. 1). If you are going to mount the phone on a wall, we recommend that you rotate the tab 180° around its vertical axis. After rotation, the tip of the tab (Fig. 4) will protrude slightly above the edge of the cradle. The small rectangular hole in the receiver casing (Fig. 5) fits perfectly over the now protruding tip, holding the receiver safely in place in the upright position on the wall.



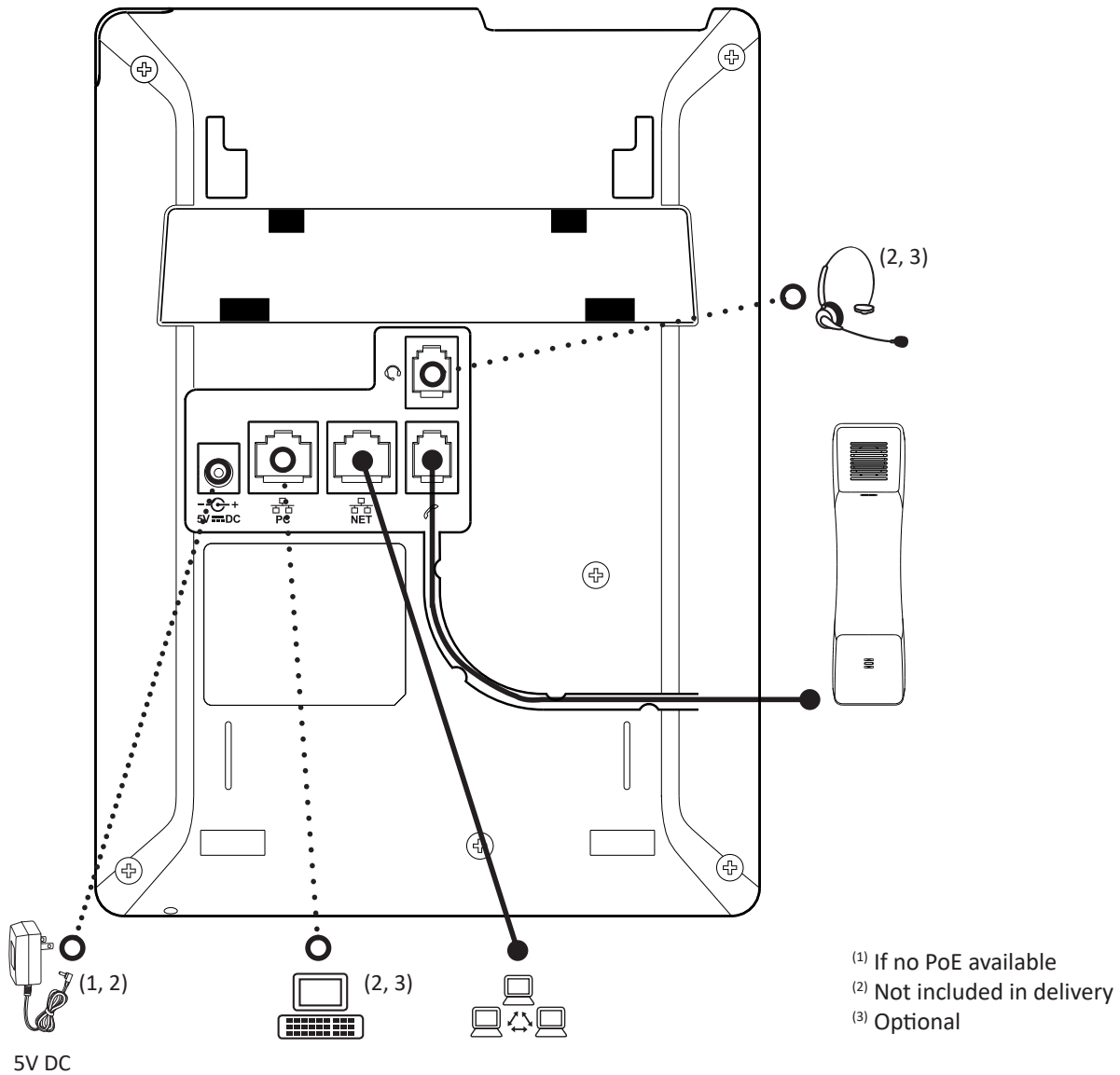
1. Slide the plastic tab from the cradle (Fig. 2)
2. Rotate the tab 180°.
3. Slide the tab back into the cradle (Fig. 3).

Wall mounting

To mount the ET605 on a wall or on a US standard ethernet wall plate (4" center), you will need the ET605 wall mount bracket. It is available as a separate accessory. For the wall mounting instructions, see "Appendix 3 - Wall Mounting" on page 87.



Connecting the phone



The phone can be operated with Power over Ethernet (PoE) provided via the network cable or, if PoE is not available in your network, with separately available 5V DC VTech power adapter, model number VSP-PWR2000.

- Plug the Ethernet (network) cable into the RJ45 connector labeled “NET”, and plug the other end into the network side to establish a data link.

If PoE is not available, insert the plug of the power supply into the connector labeled "5V DC" and hook up the plug to the wall outlet.

- The second RJ45 connector, labeled “PC”, is for daisy-chaining further Ethernet devices without the need for a second Ethernet connection line.

Connecting a wired headset

Connect the wired headset to the RJ audio jack labeled  (headset not included in delivery).

Initializing and registering the phone

Prerequisites

To be able to use VoIP, you or your company must have:

- A broadband internet connection.
- Access to the internet via a router. This could be a separate device available in various versions from many different manufacturers or in the form of a router on a server or a PC.
- Account information provided by your network administrator or a VoIP account with a VoIP service provider who supports the VoIP SIP standard. The phone supports up to 2 VoIP accounts with one or more VoIP providers.


The registration information received from your Internet service provider or your network administrator may differ and may contain required and optional data. The required data normally includes:





- Account (usually the phone number). On VTech phones, an account is called an "identity".
- Registrar
- Password




User name, authentication name, and outbound proxy may also be required. These are settings that can only be configured on the web interface of the phone after it has been successfully registered. If your provider or your network provides a mailbox account, that setting is also configured on the web interface. For more information, see "Identities/accounts" on page 69.

Initialization

VTech phones are plug-and-play. Once the phone is connected to your network, it will begin to initialize.

Note: Normally the initialization is completely automatic, using DHCP. If the phone cannot discover a DHCP server in the subnet, you will be asked: Are you using DHCP? If your network does not support DHCP, press  and enter the IP address, netmask, IP gateway, and DNS server manually. Ask your Internet service provider or your network administrator for them.

Watch the display and, when asked to, make selections with   on the navigation key  and save with .

1. You will be prompted in English to select a language. Use   to select another language, if applicable, and press  to save the highlighted language.

2. Next, you will be prompted in the language of your choice to select a time zone. This affects the time shown on your display.







Fig. 1



Fig. 2




Fig. 3

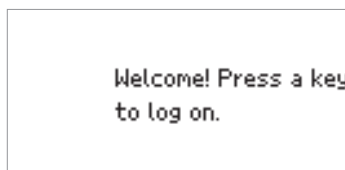
- Press **^**/**v** on the navigation key to move up or down the list one item at a time. When all time zones are shown (Fig. 1), you also have the option to jump to the beginning of the next time zone by pressing the function key underneath .
- Press the function key underneath  to show only those time zones where the selected phone language is spoken. NOTE: If you have selected English, all time zones are shown.
- Press the function key underneath  to show all time zones and all countries or cities within the individual time zones, if there are any (Fig. 2).
- Press  to save the selected time zone (Fig. 3).

3. Next, you will be prompted to select the tone scheme of a country. This affects the dial tone you hear when you pick up the receiver. Different countries use different dial tones.



- Press **^**/**v** on the navigation key to move up or down the list one item at a time.
- Press  to save the selected country's tone scheme.

4. The display shows the "Welcome" screen. Press any key to log on.



5. Enter the account number and save with .




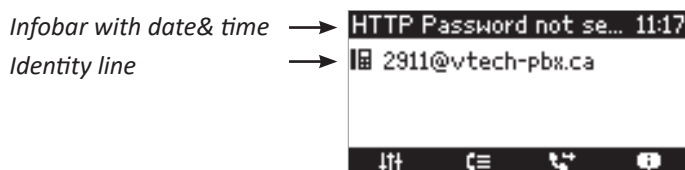
Note: See "Entering numerals, letters, special characters, and symbols" on page 27 on how to enter numbers and letters.

- 6. Enter the registrar and save with .



- 7. If required, enter the password received from your Internet service provider or administrator and press .

After successful registration you will see the phone symbol  and the registered account (identity) in the identity line underneath the date/time bar:



Note: If you see the account on the display preceded by or and the phone is not working, the server may be down, either for servicing or due to a malfunction. The registration and initialization should be completed as soon as the server is up and running again. You may want to check with your administrator or your provider if nothing happens within a reasonable amount of time.



What to do if initialization and registration are unsuccessful

Your network or your VoIP provider may require more login data than requested by the VTech phone during the initialization and registration process. This data is entered on the web interface of the phone. Contact your network system administrator or your VoIP provider for more information.

1. When you have received all necessary data, open the phone's web interface. See "Opening the web interface" on page 35 for more information.
2. Open Identity 1 and enter any additional login information you have received from your provider. See "Identities/accounts" on page 69 for more information.

Note: A number of IP telephony service providers and a number of SIP PBXs require settings that are different from VTech's standard factory settings. Do not change the standard configuration unless you know what you are doing. Expert help may be required.

Correcting the clock

The phone receives the time and date from your NTP time server. If the time and/or date on the display are incorrect, you may need to set the correct time zone.

- Changing the settings on the phone and on the web interface: See "Time zone" on page 73.

If the time is still incorrect, there may be a problem with the time server. Contact your network administrator or your IP provider.

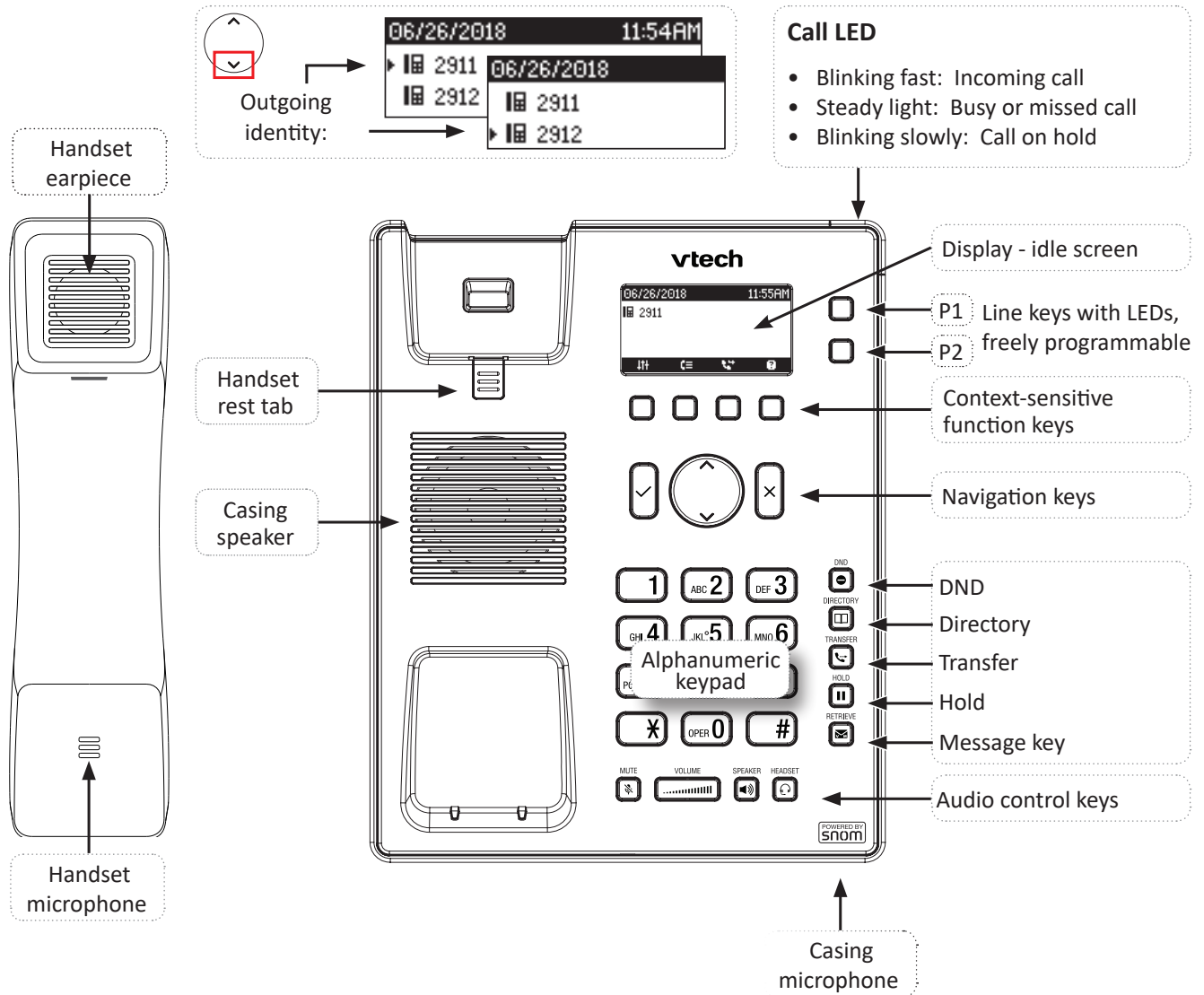
Default formats:

- **Time.** 24-hour clock, e.g. 17:35. Changing to AM and PM formats:
See "Date and time formats" on page 72.
- **Date.** US date format MM/DD/YEAR, eg. 11/23/2018. Changing to European format DD.MM.YEAR, e.g. 23.11.2018: See "Date and time formats" on page 72.

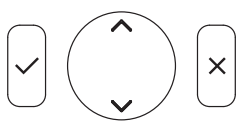
Getting to know your phone

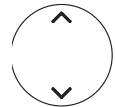
At a glance

The factory settings at a glance:







Navigation keys


- Confirming, saving actions & input, and returning to previous screen
 - Accepting calls on speakerphone and in headset mode
 - From idle screen: Dialed calls (redial)
- 


←
- Canceling actions & input, and returning to previous screen
 - Terminating calls on speakerphone and in headset & handset modes
-
- From idle screen:
 - ▲ Settings menu
 - ▼ Select outgoing identity/account
- 
- In settings, lists:
 - ▲ Navigate up
 - ▼ Navigate down
 - When editing:
 - ▲ Move cursor to the right
 - ▼ Move cursor to the left

Audio control keys

-  Adjusting the volume
 - of the ringer when the phone is idle or ringing.
 - of the handset/casing loudspeaker when in a call.
-  Mute/unmute the microphone.
-  Speakerphone.
 - On idle: Press to dial number and accept calls on speakerphone.
 - In call: Turn speakerphone on/off.
-  Headset.
 - On idle: Press to dial number and accept calls on the headset.
 - In call: Send audio to speakerphone, i.e. toggle between handset and handsfree mode.






Freely programmable function keys with LEDs

LED keys P1 and P2 . For more information, see "Configuring the function keys" on page 64. The default setting is line.

- Fast-blinking LED: Incoming call. Press key or  to accept.
- Steadily lit LED: In call.
- Slow-blinking LED: Call on hold

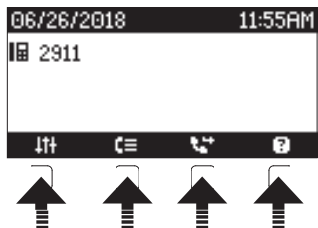
Dedicated programmable function keys

The default settings are indicated by the symbol printed on the respective key.








-  Do not disturb mode (DND). Incoming calls do not ring; callers hear the busy signal.
-  Internal phone directory. For more info, see "Directories" on page 39.
-  Transfer. Transferring active and ringing calls. For more info, see "Transferring calls" on page 56.
-  Hold. Placing the active call on hold. For more info, see "Hold" on page 54.
-  Message. Retrieving voice messages. For more info, see "MWI key" on page 24.

Context-sensitive, programmable function symbols and function keys

Press the function key underneath the display symbol to activate the function, open the list etc. depicted by the symbol above the key. For more information on programming of function keys, see "Configuring the function keys" on page 64.



The default functions available on the idle screen are:




-  Settings menu. For more information, see "Settings" on page 31.
-  Call history. Lists of missed, dialed, and received calls. For more information, see "Call history (call lists)" on page 57.
-  Call forwarding. For more information, see "Call forwarding" on page 60.
-  /  Help menu  with phone's IP address and VTech web page URL is replaced by info menu  new status information (call forwarding active, passwords not set, missed calls, etc.) is available.

LED indicators

Call LED

The bright-red LED situated at the top of the display indicates incoming, ongoing, held, and missed calls. It will be:

- Blinking rapidly when a call is coming in.
- Glowing steadily when dialing, when in a call, and when you have missed a call.

Turning off the LED after a missed call: Open the Status Info screen by pressing the function key underneath the  button on the display, scroll to the missed call (if necessary to select with the preceding arrow ) and delete it by pressing the function key underneath .

- Blinking slowly when you have put a call on hold.

Function key LEDs

Depending on the function mapped onto the key, the LED on the key will be activated when the key event occurs. The factory setting is "Line". The LEDs of a line key will:

- blink rapidly when a call is ringing on the line;
- glow steadily when there is an ongoing call on the line;
- blink slowly when a call is on hold on the line;
- be off when the line is free.

When other functions are mapped onto the keys, the LEDs may glow or blink. For example: When the "extension" function has been mapped onto a key and monitoring of extensions is enabled on both phones, the LED will:

- blink rapidly when a call is ringing on the extension;
- glow steadily when the extension is busy;
- be off when the extension is not busy

Hard keys






Context-sensitive, programmable function keys

These function keys can be programmed on the "Function Keys" page of the phone's web interface with a number of key events; these functions will then be available when the phone is in idle mode. For more information, see "Configuring the function keys" on page 64 . For the factory default settings, see "Context-sensitive, programmable function symbols and function keys" on page 22.


You cannot change the functions that are available when the phone is active, e.g., when you are in a call, when the phone is ringing, etc. Depending on the activity, different functions will be available.

Navigation, confirmation, and cancel keys







can be programmed with the key events available in their drop-down menus. See "Configuring the function keys" on page 64 for further information. Factory settings:

	Navigation key	
		<ul style="list-style-type: none"> On idle screen: Press to open Settings menu. In settings, lists: Moving up the list one item/button at a time. When editing: Moving the cursor to the right.
		<ul style="list-style-type: none"> On idle screen: Press to select identity for outgoing calls. In settings, lists: Moving down the list one item at a time. When editing: Moving cursor to the left.
	<ul style="list-style-type: none"> On idle screen: Open the list of dialed calls, redial. Press to accept calls on speakerphone and in headset mode. Press to confirm actions/settings and return to preceding screen. 	
	<ul style="list-style-type: none"> Press to terminate calls on speakerphone and in headset and handset modes. Press to cancel actions and return to preceding screen. 	

MWI key

	<p>Message key. Press the key to retrieve messages. Depending on your network, you may need to enter a code or PIN. Please, check with your VoIP provider or IT administrator.</p>
-------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Audio control keys

	<ul style="list-style-type: none"> In call: Muting and unmuting the handset or casing microphone On idle screen: Turning "do not disturb" (DND) on and off for all identities registered on the phone. In DND mode incoming calls do not ring; callers hear the busy signal. <p style="text-align: center;">Exception: Phone numbers on your directory's VIP list (see "Contact Types" on page 40).</p> <p>When DND is on, you'll see the DND symbol on the display (Fig. 1).</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="380 527 683 674">  </div> <div data-bbox="712 527 1016 674">  </div> </div> <p style="display: flex; justify-content: space-around;"> Fig. 1 Fig. 2 </p> <p>Note: If you want to turn on DND for only one identity (Fig. 2), use the identity settings on the phone's web user interface, Identity #, Features tab, DND.</p>
	<p>Press the right or left edge of the key to adjust the volume.</p> <ul style="list-style-type: none"> Adjust the volume of the ringer when the phone is idle or ringing. Adjust the volume of the loudspeaker when in call.
	<ul style="list-style-type: none"> Press the key briefly to toggle between handsfree and handset mode. Enter number on display and press key briefly to dial number on display. Press the key briefly to accept calls on speakersphone.
	<ul style="list-style-type: none"> Press the key briefly to toggle between handset and headset mode. Enter number on display and press key briefly to dial number on display. Press the key briefly to accept calls on the headset.

Alphanumeric keypad

Input modes and navigation

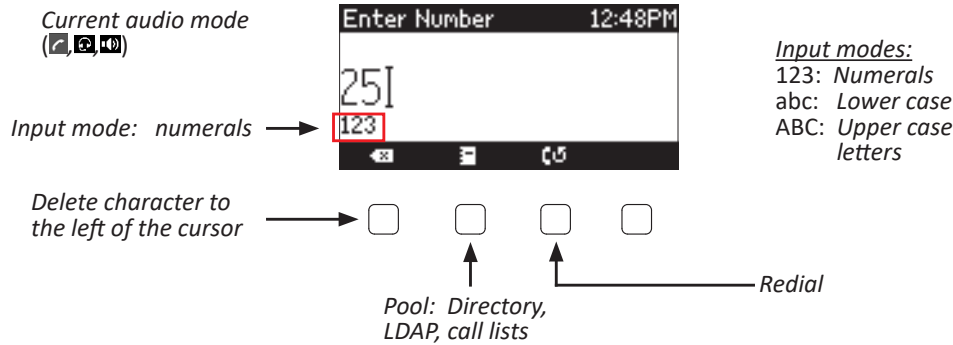


Fig. 1

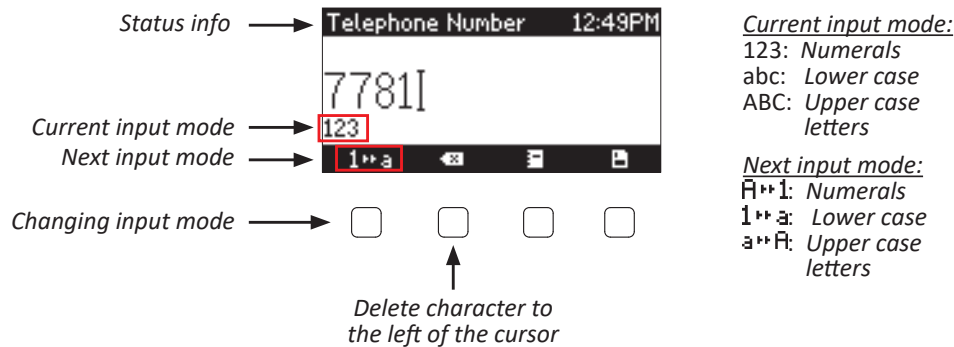


Fig. 2

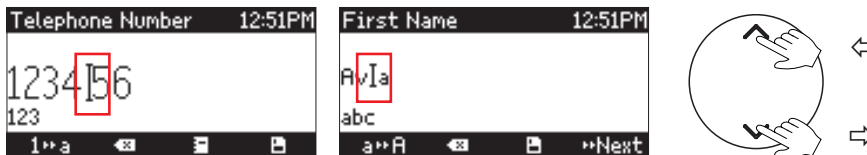


Fig. 3

When dialing a number (Fig. 1), the input mode is always numerals. When editing Directory entries (Fig. 2) and identities, the current input mode is indicated underneath the cursor. Press the left function key underneath the display to switch to the next input mode.

Text underneath cursor = current input mode	Press function key to switch to next input mode	Next input mode
123	1↔a	abc
abc	a↔A	ABC
ABC	A↔1	123

Moving the cursor to the left and right

When entering numbers for dialing and when editing identities and directory entries, the up and down arrows on the navigation key are used to move the cursor to the left and right (Fig. 3).

- Press the up arrow to move the cursor to the left without deleting any characters.
- When there are any characters to the right of the cursor, press the down arrow to move the cursor to the right without deleting any of them.

Entering numerals, letters, special characters, and symbols

When entering letters and special characters, pause briefly after each character until the cursor has moved forward so that you won't overwrite the last character you entered. Pausing is not necessary when entering numerals.

Numerals. In numeral mode, press the respective number key to type the number printed on the key.

Letters. When in input modes lower and upper case letters, press the alphanumeric key with the respective letter one, two, three, or four times quickly to type the first, second, third, or fourth letter printed on the key. Pause briefly after each letter.

Example: In lower case letter mode, press the "2" key once to type an "a", twice to type a "b", and three times to type a "c".

Letters with accents and umlauts. When in input modes lower and upper case letters, press the alphanumeric key with the basic form of the respective letter as many times as necessary. Pause briefly after each letter. Available letters with accents and umlauts depend on the phone's language setting.

Example: If the phone language is German, press key "2" four times to type "ä".

Entering special characters and symbols. In input modes lower and upper case letters, press keys "0" and "1" one or more times quickly. Pause briefly after each character or symbol.

- Period. Press "1" once.
- Space (" "). Press "0" once.
- Underscore ("_"). Press "0" twice.
- Special characters listed in the following table. Press "1" as many times as indicated:

1x	.	2x	+	3x	@	4x	1	5x	:	6x	,		
7x	?	8x	!	9x	-	10x	_	11x	/	12x	\	13x	(
14x)	15x	;	16x	&	17x	%	18x	*	19x	#		
20x	<	21x	=	22x	>	23x	\$	24x	[25x]		

Display layout

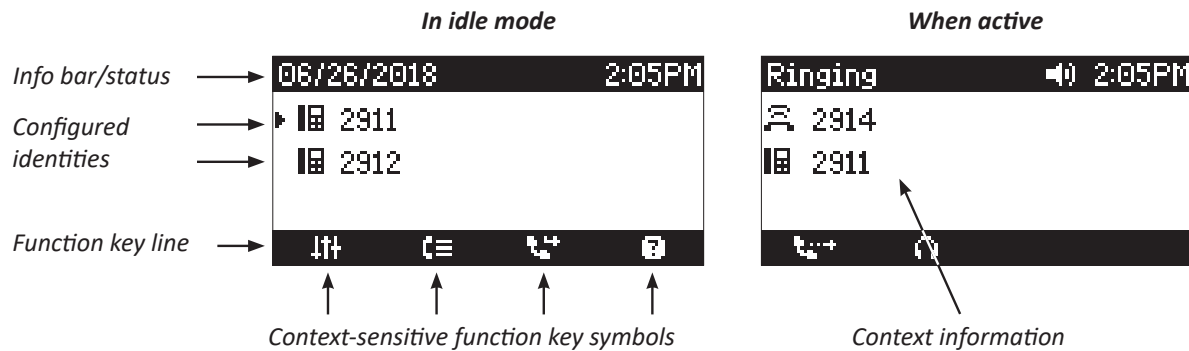


Fig. 1






In idle mode

In idle mode, the display presents the following information:








Info bar/status line

- When there are no status messages or if they have been deleted until the next reboot: Date and time.
- When there are status messages: Any of numerous messages concerning the current status of the phone might be displayed in this bar, for example the availability of a firmware update, a reboot being required, etc. If there is more than one current status message at any one time, the one with the highest priority will be shown. Some of the status messages you may see in idle mode are:
 - The text "Missed:" and the total number of missed calls.
 - The texts "Forward All:", "Forward when busy:", or "Forward after timeout:" and the phone number calls will be forwarded to.
 - The warnings "HTTP Password not set" and "Admin Password not set". They can be turned off by either setting the passwords or turning them off manually.

Deleting or temporarily suppressing status messages:

- Messages will be deleted automatically when the underlying cause is removed, i.e., call forwarding is turned off, HTTP password is set, etc.
- Temporarily suppressing messages: Press  to open the "Status info" screen; alternatively, you can find the screen in the settings menu > **Information** > **Status Info**. If there is more than message, use  /  to select one from the list. Press  to view details of the selected item, if available, e.g. number and time/date of a missed call; press  to delete the selected item.

Context area: Configured identities.

 2911	<p>Active identity</p> <ul style="list-style-type: none"> Active identities are indicated by the phone symbol and the extension number or name. Active identities can be used to make and receive calls. If there is more than one active identity on the phone, the current outgoing identity will be used when making calls.
  2911	<p>Outgoing identity</p> <ul style="list-style-type: none"> If there is more than one active identity on the phone, the phone symbol of the outgoing identity is preceded by an arrow . When you call someone, this is your identity for the call. Select a different identity for the next call by pressing  on the navigation key.
 / 	Identity not properly registered









Note: Identities can be deactivated without removing the registration settings by changing their status to "inactive" on the phone's web interface. Inactive identities are not displayed on the idle screen. They cannot be called or selected as the outgoing identity. To deactivate the identity, open the phone's web interface > **Identity** (1-2).

1. Change the "Identity active" setting to **off**.
2. Click on **Re-Register**.
3. Click on **Save**.

For information on configuring new identities or modifying existing ones, see "Identities/accounts" on page 69.

Function key line

The symbols on the buttons in this line depict the functions that can be activated by pressing the function key underneath the respective symbol. See "Appendix 1 - Display Symbols and Icons" on page 83 for a complete list. The factory defaults are:

	Directory. See "Directory" on page 39.
	Settings menu. See "Settings" on page 31.
	 Forwarding all calls (on/off). See "Call forwarding" on page 60.
	Help menu with phone's IP address and VTech web page address. This key is replaced by the status info key  when new status messages are available.
	Displaying all currently available status messages. Whenever a status message becomes newly available, this key replaces the function mapped onto the key. Press the key to display the status messages; press  to delete the highlighted status message. When all deletable messages are gone, the symbol disappears from the function key line; the message in the status line will also disappear. The function mapped onto the key is now available on this key again until a new status message is available or until a reboot when all current status messages will be displayed anew.

When the phone is active

The display will inform you of any activity the phone is engaged in (see Fig. 1 on page 27). This information is presented in the form of text or symbols or both.

Info/status bar. Name of current activity and time.



Context area

Depending on the activity, this area will contain symbols (incoming call ringing, outgoing call ringing, list entries, etc.) and text like the phone number calling, the extension number being called, conference partners, etc. (see Fig. 1 on page 27).



Function key line

Depending on the current activity of the phone, the key function key line will present various functions that can be activated by pressing the function key underneath the respective symbol. See "Appendix 1 - Display Symbols and Icons" on page 83 for a list of available functions.

Settings

A comparatively small number of settings can be adjusted on the phone; many more are available on the phone's web interface.

Phone settings

Press  to open the settings menu on the display. To open submenus and settings, press their number on the alphanumeric keypad or scroll to the setting and press .

Settings available in user mode

1 Preferences	2 Call Features	3 Identity	4 Maintenance	5 Information
1 Language	1 Call Forwarding	1 Select Outgoing Identity	1 Security	1 Status Info
2 Date & Time	1 Forward All	2 Reregister Identity	1 Administrator Mode ⁽¹⁾	2 System info
1 Date Format	2 Forward when Busy	3 Anywhere	2 Set keyboard-lock PIN	3 Help
2 24 Hour Clock	3 Forward after Timeout		2 Reboot	
3 Audio	2 Outgoing Calls			
1 Tone Scheme	1 Auto Dial			
2 Ringer	2 Auto Busy Redial			
3 Volume Settings	3 Number Guessing			
4 Display	4 Call Completion			
1 Contrast	5 Hide own outgoing ID			
2 Backlight on activity	3 Incoming Calls			
3 Backlight when idle	1 Call Waiting			
5 FKeys	2 Auto Answer			
1 Line Keys	3 Reject anonymous			
6 General	4 Silent Mode			
1 Quick Dial Contacts	4 Speed Dial			

⁽¹⁾ The administrator password is needed to return the phone to admin mode.

NOTE: The factory default administrator password is 0000 (4 x zero). For security reasons, we recommend that you set your own administrator password. Be sure to remember the password, because if it is lost or forgotten, you will not be able to return the phone from user to administrator mode and gain access to all phone settings.

Most of the individual settings are described elsewhere in this manual: See "Using the phone" on page 49 and "Customizing the phone settings" on page 69.

Settings available in administrator mode

In administrator mode, all settings of the phone menu and on the phone's web interface are accessible.

1 Preferences	2 Call Features	3 Identity	4 Network	5 Maintenance	6 Information
1 Language	1 Call Forwarding	1 Select Outgoing Identity	1 IP Settings	1 Security	1 Status Info
2 Date & Time	1 Forward All	2 Reregister Identity	1 IPv4	1 User Mode ⁽¹⁾	2 System Info
1 Time Zone	2 Forward when Busy	3 Edit Identity	2 IPv6	2 Set keyboard-lock PIN	3 Help
2 Date Format	3 Forward after Timeout	1 Hotdesking	2 Webserver	2 Reboot	
3 24 Hour Clock	2 Outgoing Calls	2 Edit Identity	1 Webserver	3 Reset Values	
3 Audio	1 Auto Dial	4 Logoff Identity	2 Webserver Type		
1 Tone Scheme	2 Auto Busy redial	5 Anywhere	3 Username		
2 Ringer	3 Number Guessing		4 Password		
3 Volume Settings	4 Call Completion		3 VLAN		
4 Display	5 Hide own outgoing ID		1 VLAN ID		
1 Contrast	3 Incoming Calls		2 VLAN Priority (0-7)		
2 Backlight on activity	1 Call Waiting		4 Advanced		
3 Backlight when idle	2 Auto Answer		1 802.1X		
5 FKeys	3 Reject anonymous		2 Hardware		
1 Line Keys	4 Silent Mode		3 NTP		
6 General	4 Speed Dial		4 DNS		
1 Quick Dial Contacts					

⁽¹⁾ Pressing this key will put the phone in user mode; many settings will not be accessible (see next page). The administrator password will be needed to return the phone to admin mode.

NOTE: The factory default administrator password is 0000 (4 x zero). For security reasons, we recommend that you set your own administrator password. Be sure to remember the password, because if it is lost or forgotten, you will not be able to return the phone from user to administrator mode and gain access to all phone settings.

Most of the individual settings are described elsewhere in this manual: See "Using the phone" on page 49 and "Customizing the phone settings" on page 69.

Display backlight and contrast settings

Backlight and contrast can be adjusted separately for the times when the phone is active and when the phone is idle. Lowering backlight intensity lowers the energy consumption of the device. The backlight when idle can be reduced to zero bars.

NOTE: When the phone has been inactive for a specified number of seconds it will switch the backlight to idle mode. This setting is available only on the phone's web user interface, not on the phone itself.

- **Intensity of backlight**



1. Press  or the function key underneath , if the symbol is available.
2. Press **Preferences**.



Fig. 1


3. Press **Display**.
4. Press **Backlight on activity** or **Backlight when idle** (Fig. 2).
5. Press the function key underneath the plus or minus symbol in the function key line (Fig. 3 and 4) to increase (+) or decrease (-) the backlight's intensity.
6. When done, press  to save and return to the **Display** menu (Fig. 2).



Fig. 2



Fig. 3

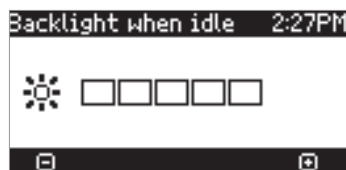


Fig. 4

- **Period of inactivity.** The number of seconds after which the phone will switch from activity to idle backlight can be set on the phone's web interface only.
 1. Open the phone's web interface (see "Opening the web interface" on page 35).
 2. Click on **Preferences** (see "How the web interface works" on page 36).
 3. Enter the number of seconds in the text field of "Dim after (in seconds)" (in the **General Information** section. The default is 20 seconds).
 4. Click on "Apply" and "Save".

- **Contrast**






1. Press  or the function key underneath , if the symbol is available.
2. Press **Preferences** (see Fig. 1, above).
3. Press **Display**.
4. Press **Contrast**.



Fig. 5

5. Press the function key underneath the plus or minus symbol in the function key line (Fig. 3 and 4) to increase  or decrease  the contrast.
6. When done, press  to save and return to the **Display** menu (Fig. 2).

The phone's web interface

When you register the first account during the initialization of the phone, your SIP user name and password will be registered as the HTTP user name and password. If you wish to change them later, you can do so on the phone's web interface > **Advanced Settings** page > **QoS Security** tab > **HTTP Server** section.



Note:

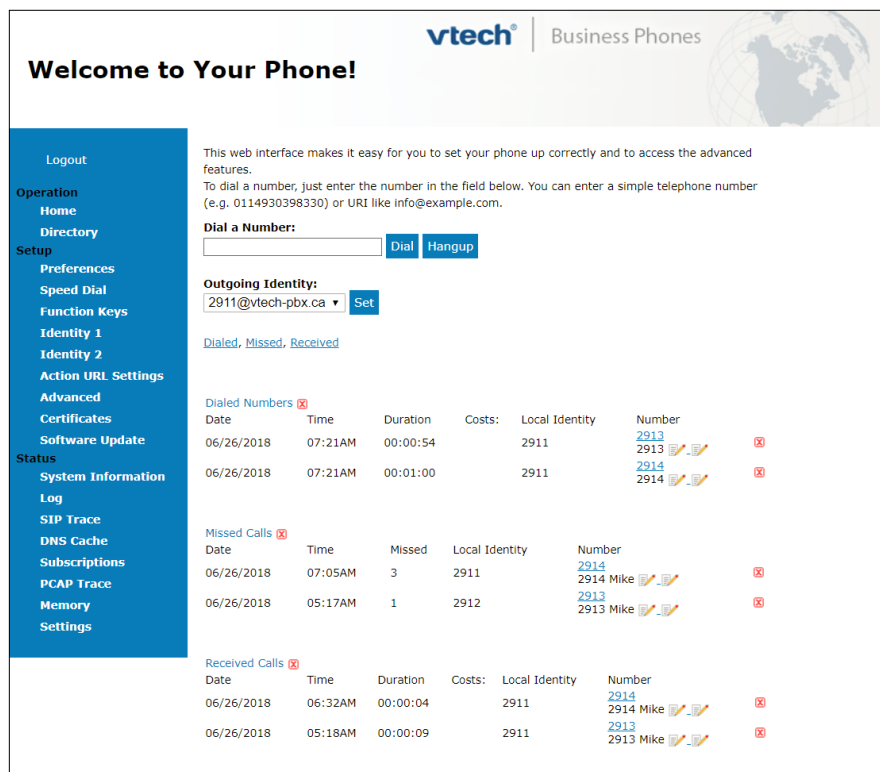
- If you do not replace the default administrator password by an individual one, an unauthorized third party with access to the phone could set an administrator password unknown to you. In such a case, you would no longer be able to switch from user mode to administrator mode.
- If you set your own passwords, make sure to remember them.

Without the administrator password, you will not be able to return the phone and the web interface from user mode to administrator mode; many settings will be inaccessible.

Without the HTTP password, you cannot open the phone's web interface.

Opening the web interface

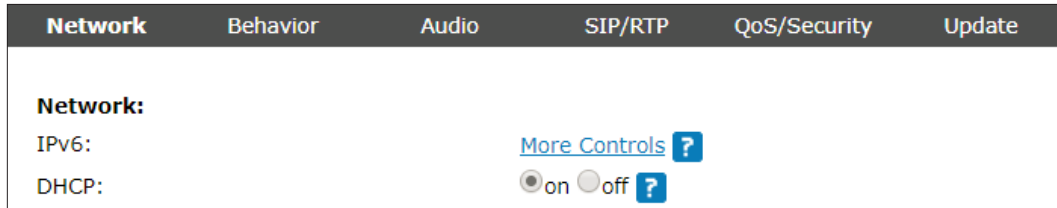
1. Look up the phone's IP address: Press  or  > **Information** > **2 System Info**.
2. Open a web browser on your PC. Enter the IP address, preceded by "http://" or "https://" in the address bar (for example: http://192.168.10.115) and press **ENTER**. The home screen opens:



How the web interface works

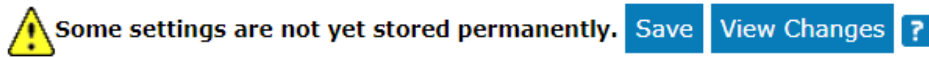
The vertical menu on the left side of the window is always the same, no matter which window happens to be open at the time. Available menu items depend on whether the phone is running in user or administrator mode.

Click on a menu item to open that page. Some pages contain several documents. To make a document visible, click on its tab. The font weight of the characters on the active tab is **bold**. Only one tab can be active at a time.



Note: Any changes you make will not take effect until you click on "Apply". Changes will be lost if you open another page of the web interface or if you close the web interface without first clicking on "Apply".

After you have clicked on "Apply", in some cases the "Save" button will appear at the top of the page. Click on "Save" to save the changes permanently. Changes that have not been saved will be lost if and when the phone loses power or is disconnected from its power source.



Web settings overriding manual phone settings

In some cases, settings activated on the web interface override manual settings on the phone. If a setting you have made on the phone does not appear to take effect, look for a conflicting setting on the web interface or check with your administrator.

User mode/administrator mode

VTech phones can be operated in administrator or user mode. In administrator mode, all settings are accessible and can be modified; in user mode, a number of settings are not accessible. The factory default is administrator mode.

When the phone is running in user mode, the administrator password is required to revert to administrator mode. The default administrator password is 0000 (4 x zero). We recommend that you change the password for security reasons.

Note: Do not forget your new administrator password; without it, a TFTP reset to factory values is necessary to return the phone to administrator mode.

If your phone is administered centrally, user mode may be the rule. Please check with your administrator.

User mode on the phone

The "Network" menu and various other settings are inaccessible in user mode. See "Settings" on page 31.

User mode on the web interface

Some windows like **Preferences** are available in user mode while many others, like the identities, are not. The menu item **Advanced** is available in user mode but the settings normally found on the **Advanced Settings** page are not. In user mode the two pages look like this:

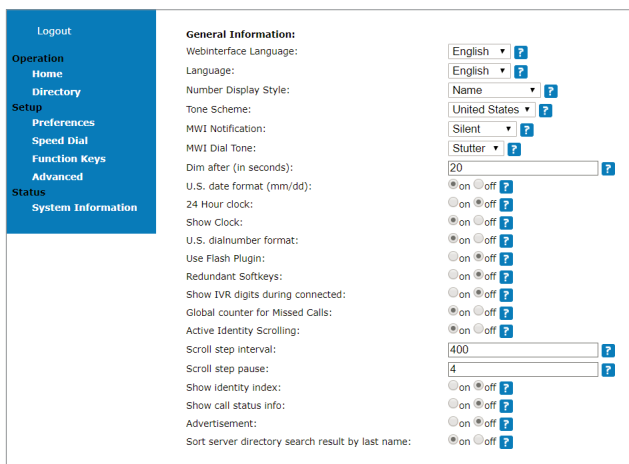


Fig. 1

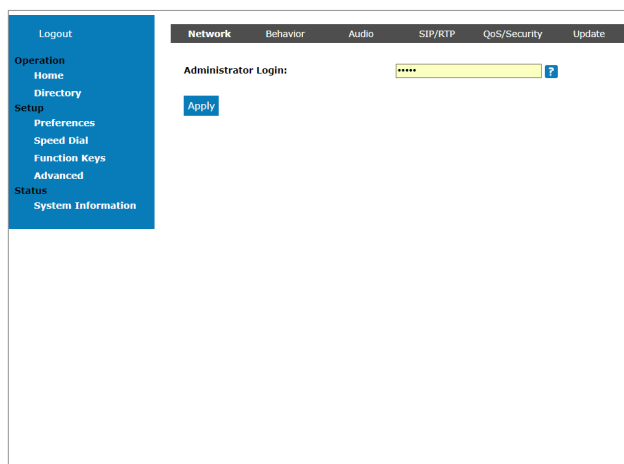


Fig. 2

To return the phone and its web interface to administrator mode, open the **Advanced Settings** page, enter the administrator password in **Administrator Login** and click on "Apply" (Fig. 2). The default password is 0000 (4 x zero).

In administrator mode, the two pages look like this:

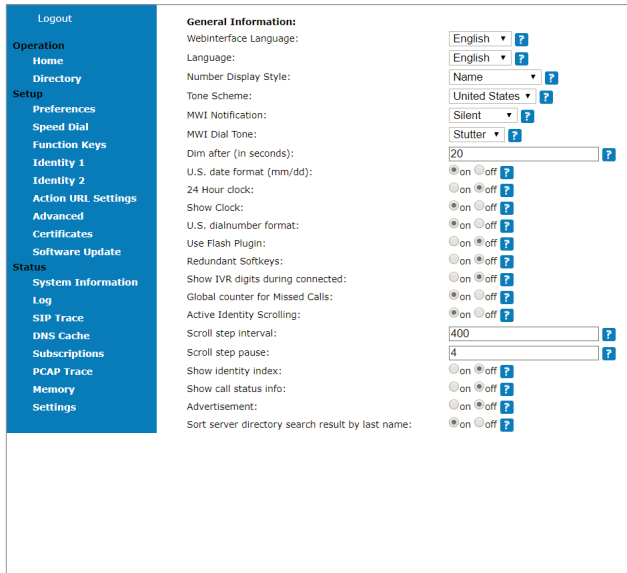


Fig. 3

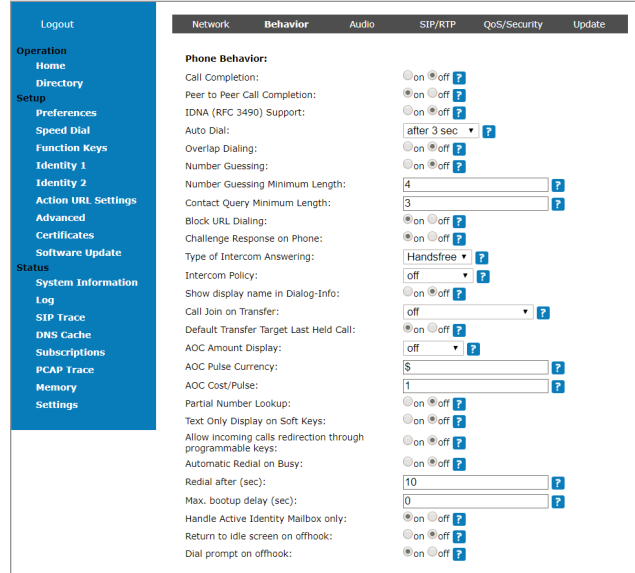


Fig. 4

Directories

Directory

The directory is the built-in directory of the phone. It can hold up to 1,000 entries. Entries can be added and edited on the phone and on the web interface.

? Directory						
Name:	Number:	Contact Type:	Outgoing Identity:	Edit	Delete	
Jane Smith	9175554128	None	Active			
John Miller						
- fixed	9175554230	None	Active			
- private	9175557018	None	Active			
- cell	9175554231	None	Active			

Any changes you make on the web interface will not take effect until you click on "Save" or on "Apply" and "Save", depending on your firmware version. Changes will be lost if you open another page of the web interface without first clicking on "Apply"/"Save".

Definitions, explanations

Directory entries

Each entry must have at least one phone number; multiple associated phone numbers are possible. If you do not enter a first and/or last name and/or nickname, the phone number will appear under both "Name" and "Number".

- Entry with one phone number:

Jane Smith	9175554128	None	Active			
------------	------------	------	--------	--	--	--

- Entry with several associated phone numbers:

John Miller						
- fixed	9175554230	None	Active			
- private	9175557018	None	Active			
- cell	9175554231	None	Active			

Number area (N): Individual settings for the master record and each subentry possible.

Info area. Data can be different for each associated phone number. If subentry textfields are blank, the data from the master record is displayed.

Name area. Same data for the master record and all subentries.


Master record (M)	Subentry 1	Subentry 2
<p>Add or Edit Entry:</p> <p>Number: 4442090</p> <p>Number Type: N sip</p> <p>Contact Type: VIP</p> <p>Outgoing Identity: Active</p> <p>Group: Work</p> <p>Title: Manager</p> <p>Organization: Example</p> <p>Email: M jd@example.com</p> <p>Note:</p> <p>Nickname:</p> <p>First Name: Jane</p> <p>Family Name: Doe</p> <p>BirthDay: M 14.3</p> <p>Favorite: <input type="checkbox"/></p>	<p>Add or Edit Entry:</p> <p>Number: 4442091</p> <p>Number Type: N cell</p> <p>Contact Type: VIP</p> <p>Outgoing Identity: Active</p> <p>Group: Work</p> <p>Title: Manager</p> <p>Organization: Example</p> <p>Email: M jd@example.com</p> <p>Note:</p> <p>Nickname:</p> <p>First Name: Jane</p> <p>Family Name: Doe</p> <p>BirthDay: M 14.3</p> <p>Favorite: <input type="checkbox"/></p>	<p>Add or Edit Entry:</p> <p>Number: 555557815</p> <p>Number Type: N private</p> <p>Contact Type: VIP</p> <p>Outgoing Identity: 2911@vtech-pbx.ca</p> <p>Group: S Friends</p> <p>Title: M Manager</p> <p>Organization: M Example</p> <p>Email: S jane.d@example.com</p> <p>Note:</p> <p>Nickname:</p> <p>First Name: Jane</p> <p>Family Name: Doe</p> <p>BirthDay: M 14.3</p> <p>Favorite: <input type="checkbox"/></p>

Info area of Subentry 2: Different "Group" selection (S), different entry in textfield of "Email" (S). No entry in text fields of "Title" and "Organization", therefore same as Master Record.

Contact Types

VIP: Calls from numbers with this contact type will ring on your phone even when DND mode is active. You can assign a ringtone to this contact type. If your VIP is also assigned to a group (see below) and if that group has a distinct ringtone, the ringtone assigned to the group will be played.

Deny List: Calls from phone numbers with this contact type will not ring on your phone. The caller hears the "Busy" signal. To remove the number from the Deny list, you can either

- delete the entry from the directory by clicking on the "delete" symbol 
- or - if you want to keep the number in the directory - change the contact type to none or VIP by editing the entry. See "Editing an entry" on page 44 and "Adding new entry" on page 43 for more information.

Outgoing identity

The default setting is "Active" which means that the phone will use the current outgoing identity whenever you dial the number of the phone book entry.

You can also select a specific identity to be used as the outgoing identity whenever the number is dialed, for example, if you want to use a specific VoIP provider for these calls.

Note: To use an outgoing identity specified in the directory, you must dial the number from the directory. If you simply type it on the keypad, the current outgoing identity, as indicated on the display, will be used.

Group

The available group types are **Friends, Family, Work, Colleagues, or None**. The default setting is none. You can assign a distinct ringtone to each group type.

Ringtones

The phone has 10 built-in ringtones that can be assigned to identities, group types, and contact types. It is also possible to download a custom melody.

Assigning ringtones to identities: See "Identities/accounts" on page 69.






Assigning ringtones to contact type VIP and group types

1. Open the phone's web interface, **Preferences** page, **Directory Ringtones** section.
2. Select a ringtone from the respective drop-down menu and click on "Apply". If you choose "Custom Melody URL", enter the URL to the data file in the text field. It must be a file of the type PCM 8 kHz 16 bit/sample (linear) mono WAV.

Note: Ringers assigned to contact type VIP and to any of the group types override the ringers assigned to the identities. For example, if you have assigned ringer 1 to one of the identities and ringer 2 to the group "Colleagues", the phone will play ringer 2 when a contact from the "Colleagues" group calls that identity.

Adding/Editing Entries on the Phone

Adding new entry manually











1. Press  to open the phone's directory.
2. Press .
3. Enter the Telephone Number and press .
4. Enter the First Name and press .
5. Enter the Last Name and press .

Note: Entering a First Name and Last Name is optional. If you don't enter them, the entry will be listed under the phone number. You can add a first and last name later by editing the entry on the phone or on the web interface.

6. See "Editing existing entry" on page 42 on how to continue.






Adding new entry from call list

For further information on call lists, see "Call history (call lists)" on page 57.





























1. Press  to open the call list.
 - Press  to open the list of All calls.
 - Press  to open the list of Missed calls.
 - Press  to open the list of Received calls.
 - Press  to open the list of Dialed calls. Alternatively, press  from the idle screen to open the list of dialed calls.
2. Use  /  to select a call.
3. Press  to view call **Details**.
4. Press  to add the name (if the name was transmitted) and number to the phone directory. If the name has not been transmitted, the number will be used in its place.

See "Editing existing entry" on page 42 on how to add a name, phone type, group, etc.




Sorting entries







1. Press  to open the phone's directory.
2. Press .
3. Use  /  to select the criterion for sorting (nickname, first name, last name, organization, etc.).
4. Press  to sort.

Editing existing entry

1. Press  to open the phone's directory.
2. Selecting an entry: Press  /  to scroll to the entry or enter the first letter of the name.
3. Press . The **Details** screen for the entry will be displayed.
4. Editing a detail.
 - a. Press  /  to select a detail.
 - b. Press . Depending on the selected detail,
 - in some cases, you will see the prompt screen where you can enter or modify text. Edit the data, if necessary, and press  to save your changes. See also "Entering numerals, letters, special characters, and symbols" on page 27.
 - In other cases, you will see a screen with a list of values you can select, or a question asking you to confirm yes/no. Examples:
 - i. Select "Group" with  /  and press . The **Group** screen opens. Use  /  and press  to select Family, Friend, Colleague, Work, or None.
 - ii. Select "Fav" with  /  and press . The **Favorite** screen opens, and you will be asked if the contact is one of your favorites. If yes, press  or ; if no, press  or .
 - iii. Select "C. Type" with  /  and press . The **Contact type** screen opens. Use  /  and press  to select VIP or None.
 - c. When you are done editing the entry, press .

Deleting an entry

1. Press  to open the phone's directory.
2. Selecting an entry: Press  /  to scroll to the entry, or enter the first letter of the name.

Note: If there is more than one phone number associated with the entry and you want to delete only one of them, press . Select the number you want to delete with  /  and press .
3. Press . You will be asked, "Are you sure?".
4. If you are, press .

Adding/editing entries on the web interface

Click on **Directory** in the menu on the left side.

Adding new entry

1. Type data in text fields of **Add or Edit Entry**.

- **Number**: Type the number exactly as you would dial it, with country and area codes, if necessary, and without parentheses, hyphens, blank spaces.
- **Number Type**: Select the type of connection from the drop-down menu. The default setting is SIP.
- **Contact Type**: Select "None", "VIP", or Deny List" from the drop-down list. The default setting is "None".
 - Calls from entries on the "VIP" list will always ring on the phone, even when the phone is in a call or in DND mode.

Note: You can assign a distinct ringtone to the contact type "VIP": **Preferences** page > **Directory Ringtones** section.
 - Calls from entries on the "Deny List" do not ring on the phone. The caller hears the busy signal.
- **Outgoing Identity**: The drop-down list shows all identities configured on the phone. If you select one of the identities for one of the numbers listed in the phone book, all calls to that number initiated from the phone book will show that identity on the callee's phone.
- **Info area**: The data entered in the text fields will be displayed when the entry is opened on the phone. The data can be used to sort entries by group, name, organization, etc., and can be edited on the phone.
 - "Group" drop-down menu: Available types are "Friends", "Family", "Colleagues", or "Work". You can assign a distinct ringtone to each group type: **Preferences** page > **Directory Ringtones** section.
 - "Nickname": If you enter a nickname, it will appear under the "Name" header of the **Directory** on the web interface.
- **First Name, Family (Last) Name**: Will be added in this order under "Name" in the directory, unless you have also entered a nickname.
- **Birthday**. Uses the format set at **Preferences > General information > U.S. Date Format (mm/dd)**: "On" or "Off". Enter in DD.MM.YR or MM/DD/YR format. Examples:

Date	Input	Output when US Date Format setting is	
		On	Off
March 5, 2017	5.3.17 or 3/5/2017	03/05/17	05.03.17
March 12, 2017	12.3.17 or 3/12/2017	03/12/17	12.03.17
October 5, 2017	5.10.17 or 10/5/2017	10/05/17	05.10.17
October 12, 2017	12.10.17 or 10/12/2017	10/12/17	12.10.17

- **Favorite**: Select check box to add entry to "Favorites" list.

2. Click on "Add/Edit" to save new entry to directory.

Editing an entry

When you open an existing entry, the current information is displayed in the text fields of "Add or Edit Entry" and two additional buttons, "Add Sub" and "Change", are available (see Fig. 2 and 3, below).

- Editing

Name:	Number:	Contact Type:	Outgoing Identity:	Edit	Delete
Jane Smith	9175554128	None	Active		
John Miller					
- fixed	9175554230	None	Active		
- private	9175557018	None	Active		

Fig. 1

- If single entry, click on in the entry's line.
- If there is more than one number associated with a name:
 - Click on in the name's line if you want to edit/add the first or last name of the date of birth and the data in the Info area applicable to the master record.
 - Click on in a phone number's line if you want to edit the subentry's data (phone number, number & contact type, outgoing identity, and any Info area data applicable to this subentry only).

Make changes as necessary and click on "Change".


- Adding additional phone number (subentry) for a name

- Jane Smith's entry has only one phone number, her SIP phone number. In this example, the phone number of Jane Smith's landline will be added to the directory.
 - Click on in Jane Smith's line (Fig. 1, above). The data is shown in "Add or Edit" area (Fig. 2).

Fig. 2

Fig. 3

- Enter the phone number in the text field of "Number" (Fig. 3).
- Select "fixed" from the drop-down menu of "Number type" (Fig. 3).
- Optional: Select a contact type and an outgoing identity from drop-down lists (Fig. 3).
- Click on "Add Sub" (Fig. 3).

- John Miller's entry has a SIP number and a private number. In this example, his cell phone number will be added as a third number.
 - Click on  in the line containing John Miller's name. The data is shown in "Add or Edit" area.
 - Enter the phone number in the text field of "Number".
 - Select the number type.
 - Optional: Select a contact type and an outgoing identity from the respective drop-down list.
 - Click on "Add Sub".

The directory now contains Jane Smith's landline number and John Miller's mobile phone number (Fig. 4).


























Name:	Number:	Contact Type:	Outgoing Identity:	Edit	Delete	
Jane Smith						
- sip	9175554128	None	Active			
- fixed	9175554129	None	Active			
John Miller						
- fixed	9175554230	None	Active			
- private	9175557018	None	Active			
- cell	9175554231	None	Active			

Fig. 4

Deleting entry on web interface

- Entry with one phone number. Click on  in the entry's lines to delete the entry.
- Entry with more than one phone number.
 - Deleting the entry. Click on  in the line of the master record to delete the name and all associated phone numbers.
 - Deleting one of the phone numbers. Click on  in the line of a phone number subentry to delete that subentry, but keeping the master record and all other subentries.

Dialing from phone directory

To dial, click on the phone symbol  on the right side of the line with the phone number.

Deleting whole directory

Deletes the entire directory irretrievably!

Attention!

Be aware your directory will be completely lost! You really want to delete all entries of your directory ?

Yes No

Exporting Directory

To save your phone book content onto your PC or server, click one of the “Click here” links at the bottom of the Directory page.

Click [here](#) to save the current directory.

Click [here](#) to save the current directory in XML format.

A new browser window opens to display your phone book content. Right-click this window, and select “Save Target As...” to save the phone book content in the selected file format.

Importing Directory

To load a phone book from a file, click on the **Choose File** button in the “Import Directory (CSV)” window of the Directory page. Select the CSV file from the storage medium. Import files must be in UTF-8 unicode format in order to display special characters properly.

A CSV file has entries separated by a comma (without spaces between the comma and the preceding and following entry). It could look like the following example. If the CSV file has a header line, you can select “Skip first line”. Click the **Load** button.

```

"", "2125551234", "none", "", "Jane", "Smith", "", "", "", "", "", "", "false", "", "sip", ""
"", "2125555678", "none", "active", "John", "Miller", "", "", "", "", "", "", "false", "", "fixed", ""
    
```

Import directory (CSV):

Load from file:

Filename:

Filetype: CSV File
 Unicode TAB-seperated

Skip first Line on off

A preview feature is available when importing CSV files for the phone book. Assign the four possible data types (name, number, contact type, outgoing identity) to the columns in the preview representing those kinds of data.

Import Preview

Please check the assignments of the columns to the phone book fields and when you are finished, press the save button.







Delete whole directory before on off

	2125551234	none		Jane	Smith
Name	Number	Contact Type	Outgoing Identity	First Name	Family Name
	2125551234	none		Jane	Smith
	2125555678	none	active	John	Miller

If you want to delete the existing phone book before importing, click **on** for the **Delete whole directory before** setting.

Once satisfied with the preview, click **Save** to save the file contents to the phone book.

After saving, the phone book could look like this:


? Directory						
Name:	Number:	Contact Type:	Outgoing Identity:	Edit	Delete	
Jane Smith	2125551234	None	Active			
John Miller	2125555678	None	Active			

External directories

Available if provided by your network, your VoIP provider, or another external source.

LDAP

Enter the necessary data received from your administrator, VoIP provider or other external source in the text fields of the phone's web interface > **Advanced Settings** page > **Network** tab > **LDAP** section and click on "Apply" and "Save".

LDAP search on the phone: Enter the first letter of the name you are searching for. Type more letters if the name shown isn't the right one or scroll through the list. Press  to dial.

Contacts

If you want to use an external contacts list, the **Contact list** and **Contact list URI** settings are mandatory. **Publish presence** is optional; when enabled, the phone sends out "PUBLISH" SIP messages with the phone's status, e.g. busy, etc.

1. On the phone's web interface, **Identity #** page, **SIP** tab, **Contact list** setting, click **on**.
2. Enter the URI received from your administrator, VoIP provider or other external source in the text field of **Contact list URI**.
3. Optional: On the **Publish presence** setting, click **on**.
4. Click on **Apply** and **Save**.

	LogIn	Features	SIP	NAT	RTP	
<ul style="list-style-type: none"> Logout Operation Home Directory Setup Preferences Speed Dial Function Keys Identity 1 Identity 2 Action URL Settings Advanced Certificates Software Update Status System Information Log SIP Trace DNS Cache Subscriptions PCAP Trace Memory Settings 	SIP Identity Settings:					
	Voice Quality Report Collector:	<input type="text"/>				?
	Music on hold server:	<input type="text"/>				?
	Send hold as inactive:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Alert Info URL:	<input type="text"/>				?
	User picture URL:	<input type="text"/>				?
	Dial-Plan String:	<input type="text"/>				?
	Count all groups in Dial-Plan:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	ENUM Support:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Countrycode:	<input type="text"/>				?
	Areacode:	<input type="text"/>				?
	Proxy Require:	<input type="text"/>				?
	Additional supported headers:	<input type="text"/>				?
	Q-Value:	1.0				?
	Proposed Expiry:	3600				?
	Auto Answer:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Long SIP-Contact (RFC3840):	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Support broken Registrar:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Shared Line:	<input type="radio"/> on <input checked="" type="radio"/> off				?
	Publish Presence on bootup:	<input checked="" type="radio"/> on <input type="radio"/> off				?
DTMF via SIP INFO:	off				?	
Send display name on INVITE:	<input type="radio"/> on <input checked="" type="radio"/> off				?	
Extension Monitoring Call Pickup List URI:	<input type="text"/>				?	
Contact List:	<input type="radio"/> on <input checked="" type="radio"/> off				?	
Publish Presence:	<input type="radio"/> on <input checked="" type="radio"/> off				?	
Contact List URI:	<input type="text"/>				?	

To dial a contact on the phone, enter the first letter of the name you are searching for. Type more letters if the name shown isn't the right one, or scroll through the list. Press to dial.

Using the phone

This section describes the functions of the phone with the factory default settings. If your phone was installed and/or set up by someone else, the default settings may have been changed. Please check with that person or company if the phone does not react as described here.




The caller information displayed on the screen is controlled by a setting on the phone's web interface. The default setting is "Name". You can change the setting at **Preferences > General Information > "Number Display Style"** by selecting a different option from the drop-down list.

Making calls

See "Entering numerals, letters, special characters, and symbols" on page 27 for information on input modes and entering letters, numerals, and special characters.

Selecting identity for current outgoing call


See "Identities/accounts" on page 69 on how to configure identities.

If more than one identity is shown on the display, the one preceded by the arrow   is the outgoing identity for the call and the number/name that will show on the callee's phone. Use the down arrow on the navigation key  to select another identity.





Using different audio devices

Handset

- Pick up the handset, enter the phone number, and press  OR
- enter the phone number and pick up the handset.

Headset



Press  to activate headset mode, enter the phone number, and press .

Speakerphone

Enter the phone number and press  or .

Handset or headset and casing speaker

With dual audio mode activated, other persons present in the room are allowed to listen in to the third party over the phone's casing loudspeaker.

1. Use the method for handset or headset use to dial.
2. When the call has been established, press  to enable the casing loudspeaker. Press  to turn the speaker off.






Using different dialing methods

Auto dial



Note: The default setting is off. In administrator mode, the setting can be enabled on the **Advanced Settings** page, **Behavior** tab, **Phone Behavior** section, **Auto Dial** setting by selecting a time span in seconds from the drop-down menu.









When the setting is enabled, the phone will dial the number on the display when the specified number of seconds has elapsed since the last digit was typed.

Redialing





1. From the idle screen, press  to show the last numbers dialed, with the very last number at the top.
2. Press  to dial that number or use  /  to select a different number and then press .

Calling number from call history (missed, received, dialed calls)


Note: If the call history symbol  is not available in the function key line, the idle screen settings can be changed on the phone's function key page. For more information, see "Configuring the function keys" on page 64. Dialed calls can be redialed from the OK key .

1. Press  to open the call list.
 - Press  to open the list of missed calls.
 - Press  to open the list of received calls.
 - Press  to open the list of dialed calls. Alternatively, press  from the idle screen to open the list of dialed calls.
2. Use  /  to select a call.
3. Press  to dial the number.

Calling number from phone directory

1. Press  to open the phone's directory.
2. Use  /  to select a name or enter the first letter(s) of the name on the alphanumeric keypad.
3. Press  to dial the number.

Calling number from external directory

1. Open the dial screen to get access to the external directory:
 - a. Lift the handset off the cradle or press the speakerphone key to open the dialing screen (Fig. 1).
 - b. Press  to show the list of available directories and call lists.
 - c. Select the external directory, in our example LDAP (Fig. 2).

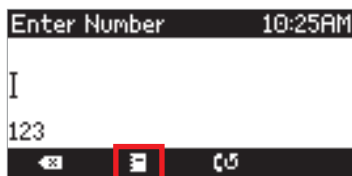





Fig. 1




Fig. 2

2. Use  /  to select a name or enter the first letter(s) of the name on the alphanumeric keypad.
3. Press  to dial the number.


Speed dialing

Setting speed dial numbers: See "Speed dial" on page 80.

1. Enter the speed dial number (0-30) or character (#, *) assigned to the phone number you wish to dial.
2. Press  to dial.

Calling emergency numbers

Numbers specified as emergency numbers can be dialled even when the keyboard is locked. See "Emergency numbers" on page 75 on how to set emergency numbers. Several numbers (911, 112, 110, 999) have been preconfigured.

- On an unlocked keyboard: Enter the number and press  to dial.
- On a locked keyboard: Enter the number. The phone dials the number as soon as you have entered all the digits of one of the programmed emergency numbers.

Call completion

Note: This function depends on whether it is available in your network or not. On VTech phones call completion means that when a called number is busy or not available, you can have your phone call you back as soon as the dialed number is not busy anymore or available again. The factory default setting is "off".

Changing the setting to turn on call completion: See "Call completion" on page 77.



When call completion is enabled, the symbol  is available in the function key line whenever you dial a number (Fig. 1). Press the key underneath  to activate call completion for this call.



Fig. 1



Fig. 2

- Press / to turn off call completion for this call (Fig. 2).
- Press / if you wish to dial another number while waiting for call completion (Fig. 2). You can now hang up the handset to return to the idle screen; use handset, headset, or speakerphone to dial another number; receive calls etc. Call completion will not interfere with the normal operation of your phone.
- When the number becomes available, you will see it announced on the display (Fig. 3) and hear a double beep if you are in a call.



- Press / to dial.
- Press / to turn off call completion for this call.

Accepting calls

Using different audio devices

Handset: Pick up the handset.

Headset: In headset mode, press .

Speakerphone: Press .

Automatically accepting calls

The default is "off". To activate the function, open the phone's web interface > **Identity #** page > **SIP** tab > **Auto answer:** Click on.

With this setting, your phone will automatically accept incoming calls on speakerphone when it is idle.

Press if you want a call to go to the headset instead.

You will be alerted acoustically by a single long beep whenever the phone accepts an incoming call (default setting). The acoustic alert can be disactivated on the phone's web interface > **Preferences** page > **Auto Answer** section > **Auto Answer Indication:** Click off.

Call waiting

When you are in a call (Fig. 1), another call coming in will be announced visually by the flashing call LED and by the Call Waiting screen (Fig. 2); it will also be announced acoustically by a double beep. If you want to switch to visual or acoustic announcement only or turn call waiting off completely, see "Call waiting" on page 78.



Fig. 1




Fig. 2





Fig. 3

When a call is waiting, you have the following options:

- Press the blinking line key of the call waiting to put your current call on hold and to accept the second call (Fig. 3). This option is available only when there is a free line key at the time the call comes in, i.e., it is not available when a function other than "line" is mapped onto the LED keys.

- Press  to accept the second call and put your current call on hold (Fig. 3).

- Press  to reject the call waiting. The caller will hear the busy signal. The caller hears the busy signal.

Pressing  for three seconds will also put the caller on the "Deny" list of the phone's directory. Future calls from this number will not ring on the phone; the caller hears the busy signal. For more information on the "Deny" list and how to remove entries from it, see "Contact Types" on page 40.

- Ignore the announcement. If you have set call forwarding when busy, the call will be transferred to that phone.

Active calls

Hold

One call on hold

Press **[*]** to put the ongoing call on hold. Held calls are indicated threefold:

- By the text on the display.
- By the slowly blinking line key.
- By the slowly blinking call indication LED.



With the call on hold, you can:

- transfer the held call blindly or with prior announcement - see "Transferring calls" on page 56.
- receive and make calls and put other calls on hold.

Pick up the held call by pressing its line key or by pressing **[*]** again. If the other party hangs up while on hold, the call is terminated on your phone and the LED indicators are turned off.

Holding two calls

When you have two calls on hold or when you are in a call with one party and have a call on hold, the symbol **[*][*][*]** is available in the function key line. You can switch back and forth between the held calls and between the active call and the call on hold.

- In Fig. 1 and 2, the phone is in one active call with a second call on hold. In Fig 3 and 4, both calls are on hold. Press the function key underneath **[*][*][*]** / **[*][*][*]** to show the call not currently on screen.



Fig. 1





Fig. 2



Fig. 3



Fig. 4

- When the connected call is on-screen, you can transfer it to a third party or terminate it by pressing .
- When a held call is on-screen, press  to connect to it; if you are currently connected to the second call, it will simultaneously be put on hold.

Conference

The maximum number of participants is three.

Initiating a conference


1. Call the first intended participant and put him or her on hold.
2. Call the second intended participant and put him or her on hold.



3. Press  to start the conference.

Conference screen navigation

Your input on the phone's keys will affect the caller/callee(s) or the entire conference shown in the contact area of the display.

Example: A conference with three participants, including yourself. After you have pressed  to start the conference, the names, if available, or phone numbers of the other participants are shown on-screen (Fig. 1 - 3).

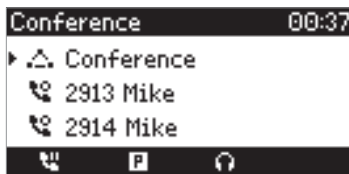














Fig. 1



Fig. 2



Fig. 3

- Selecting individual participants. Press the up or down arrows  /  on the navigation key to select one of the participants, indicated by the symbol , or the conference, indicated by . The selected item is indicated by the arrow  preceding the symbol indicating the conference or one of the participants, respectively:
- Talking to one participant in private. With one of the participants on-screen selected by the preceding arrow  (Fig. 2 and 3), press  to converse with that participant in private and to put the other party on hold. To restart the conference, press .
- Putting one participant on hold. With one of the participants on-screen selected by the preceding arrow  (Fig. 2 and 3), press  to put this party on hold and to converse with the other party in private. To restart the conference, press .
- To terminate the conference and the connections to both parties, select the conference (Fig. 1) and press .

Transferring calls

You can transfer a connected call as well as a call ringing on your phone.

Note: The phone can handle two simultaneous connections. If there already is a second connection, either a call on hold or ringing, you must terminate/reject that second call before you can transfer the call.

- When you have a call on the line, there are two ways to transfer it to a third party:
 - Announcing the call to the third party first, to make sure the call is welcome and will be accepted: Attended transfer;
 - Transferring the call unannounced: Blind transfer. There will be no feedback on whether the third party is available and/or picking up the call.
- When a call is ringing on your phone, you can transfer it to a third party without answering it first (blind transfer only).

Attended transfer



1. Put the call on hold.
2. Dial the number you want to transfer the call to and announce the call.
3. If the third party wants to accept the call, press .
4. With the **Transfer Party** screen on the display (Fig. 2), press .



Fig. 1






Fig. 2



5. When the call has been transferred to the third party, you may briefly see the "Disconnected" screen (Fig. 2) before the idle screen returns.

Blind transfer



• Blind transfer of active call

1. With a call on the line, press . The dial screen will appear.
2. Dial the number of the third party to whom you intend to transfer the call or press the function key underneath  to select a number from one of the available directories and call lists.
3. Press . You may briefly see the message that the transferred call was "disconnected", indicating that it is now ringing on the third party's phone.

• Blind transfer of ringing call

1. With a call ringing (Fig. 1), press .
2. Dial the number of the third party you intend to transfer the call to.
3. Press . The call is now ringing on the third party's phone.

Terminating calls

- When using the handset: Place the handset in the cradle or press .
- When using speakerphone or a headset: Press .

Missed Calls

Missed calls are indicated by the call LED (steady light) and by the text "Missed:" and the number of missed calls in the status line (Fig. 1) and on the Status info screen (Fig. 3).

Note: If there are status messages with a higher priority, the status line will show the message with the highest priority.



Fig. 1

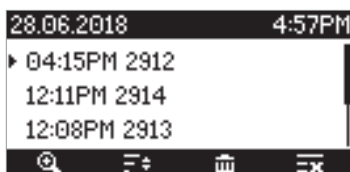











Fig. 2





Fig. 3









- To view your missed calls, press the function key underneath . In the **Call History** menu, press  or  to select **Missed calls**. To view details of the selected call, as indicated by the preceding arrow , press . See "Call history (call lists)" below, for more information.
- Turning off the missed call indications (LED and "Missed" message). Use one of the following methods:
 - View the list of missed calls.
 - Via the **Status info** screen.
 1. Press , if available (Fig. 1), or  > **6 Information** > **1 Status Info** to view the status info messages.
 2. If the "Missed" message line (Fig. 3) is not at the top of the list and marked by the preceding arrow , scroll to it and press the function key underneath  to delete the message.

Note: This action will remove the "missed call" status message and turn off the LED. The call will not be deleted from the list of missed calls.

Call history (call lists)

Three call lists of missed, dialed, and received calls are stored on the phone. They contain the number, time and date, and duration of the calls. If the memory allotted to storing the call lists is full, the oldest ones will be overwritten.

Note: Call history is the default function of the second function key from the left underneath the display. If the call history symbol  is not available in the function key line, the idle screen settings can be changed on the phone's function key page. For more information, see "Configuring the function keys" on page 64. Dialed calls can redialed from the OK key ; the most recent call dialed is shown at the top of the list; prior calls can be selected by scrolling down the list.

1. Viewing the lists. Press the function key underneath  to open the Call History.
 - All calls: Press .
 - Missed calls: Press .
 - Received calls: Press .
 - Dialed calls: Press . Alternatively, press  to access the list of dialed calls directly (redial).
2. On each list, the latest call is at the top of the list (Fig. 1 - 3). Scroll through the list with the up/down arrows / on the navigation key.

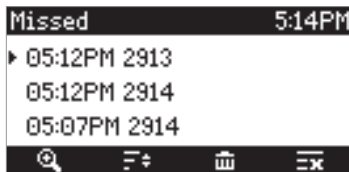


Fig. 1

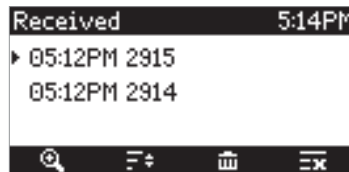


Fig. 2

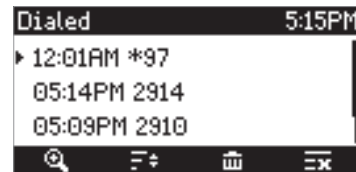


Fig. 3

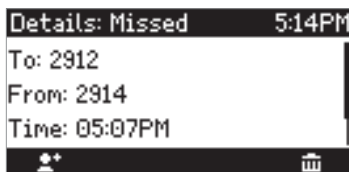


Fig. 4

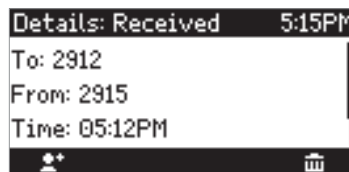


Fig. 5

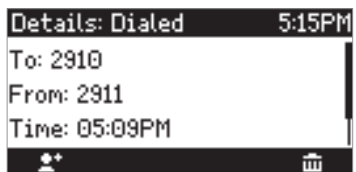











Fig. 6





- Press  to dial the number of the selected call indicated by the arrow  preceding the call.
- Press  to delete the selected call indicated by the arrow  preceding it.
- Press  to delete the entire list.
- Press  to return to idle screen.
- Press  to show the call details of the selected call.
 - Missed calls: To, from, time (and date if not today), total number of missed calls from caller.
 - Received and dialed calls: To, from, time (and date if not today), duration of call.
- When viewing the Details of a call (Fig. 4 - 6):
 - Press  to add the caller/callee to the phone's directory. See "Editing existing entry" on page 42 for information on adding a name and other data to the new directory entry.
 - Press  to delete the call.

Rejecting or redirecting incoming calls

This includes manual and automatic rejection and redirection and rejection of anonymous calls.

Manually

If you do not wish to pick up a ringing call, you have three options: Letting the call ring and not picking it up, rejecting it manually, or transferring it manually to a third party.

- Rejecting a ringing call manually.
 - Press . The caller will hear the busy signal.
 - Press  for two seconds to reject the call and additionally place the caller on the "Deny" list of the phone's directory so that calls from that number will never ring on your phone; the caller will always hear the busy signal. For more information on the "Deny" list and how to edit or remove entries from it, see "Contact Types" on page 40.
- Transferring the ringing call to another phone (blind transfer).
 1. Press the function key underneath .
 2. Enter the number you want to transfer the incoming call to.
 3. Press  to complete the transfer. The incoming call will continue ringing at that number.


Automatically

There are four options for rejecting incoming calls automatically or to have them forwarded automatically, either always or under certain conditions:

- **Deny List.** Calls from phone numbers on this list will not ring on your phone; callers will hear the busy signal. For further information, see "Contact Types" on page 40.
- **DND - do not disturb mode.** All incoming calls will be forwarded to the number set in call forwarding when busy; if there is no setting for call forwarding, callers will hear the busy signal.

Exception: Phone numbers designated VIP in your phone's directory will ring on your phone even when DND is on.

1. Press the function key underneath  to activate DND.

Note: If the DND symbol has been replaced by the  symbol, you need to open the status info screen and delete the status info messages until the next reboot of the phone. The DND symbol will then be available until the next reboot, unless a new status info message takes its place.

2. Press  again to deactivate DND.






- **Call forwarding.** For further information, see "Call forwarding" on page 60 and 76.
- **Rejecting anonymous calls:** See "Rejecting anonymous calls" on page 60.

Rejecting anonymous calls

With this setting you can have your phone reject calls from phones that are blocking or not transmitting their numbers.

Please note: Calls from analog phone connections without caller ID will, most likely, be received as anonymous calls. They will be rejected when you turn this function on.

Activating rejection of anonymous calls

1. Press  or  to open the settings menu.
2. Press  **Call Features**.
3. Press  **Incoming Calls**.
The empty box of the setting "Reject anonymous" (Fig. 1) indicates the function is inactive.
4. Press  **Reject anonymous** to activate the function.
When it is activated, i.e., anonymous callers are being rejected, the box is checked (Fig. 2).

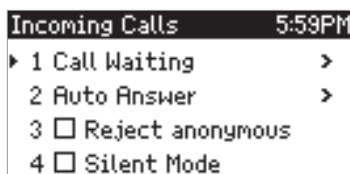


Fig. 1

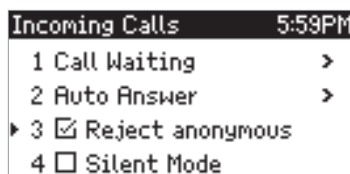









Fig. 2

5. Press  for two seconds to return to the idle screen.



Deactivating rejection of anonymous calls

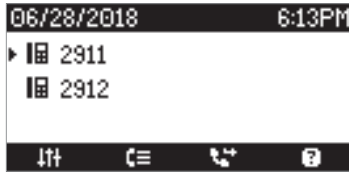
1. Press  or  to open the settings menu.
2. Press  **Call Features**.
3. Press  **Incoming Calls**.
The box with the checkmark , of the setting "Reject Anonymous" indicates the function is active (Fig. 2).
4. Press  **Reject anonymous** to deactivate the function.
When it is deactivated, i.e., anonymous callers are not being rejected, the box is empty (Fig. 2).
5. Press  for two seconds to return to the idle screen.

Call forwarding

The phone can be set to forward incoming calls, either always or under certain conditions. The settings can be done on the phone and on the web interface. For further information on using the web interface for these settings, see "Call forwarding" on page 76.

Note: The call forwarding settings made on the phone apply to all configured identities. On the web interface, the call forwarding settings are made separately for each identity.

Forward All: Forwarding all incoming calls to the number of the phone, extension, or mailbox specified as this function’s target. In the default setting, one of the symbols  /  is available in the function key line and can be used to turn forwarding of all calls on and off, respectively, by pressing the function key underneath the symbol, but you can also map the function onto another function key or use the settings menu as shown in the table below.



Forwarding all calls is off
































All incoming calls are forwarded

Forward when Busy: Forwarding calls ringing while the phone is busy to the number of the phone, extension, or mailbox specified as this function’s target.

Forward after Timeout: When a call starts ringing, the phone will wait for the number of seconds specified in the setting "Call forwarding time". If the call is not accepted by the end of this time period, it is forwarded to the number of the phone, extension, or mailbox specified as this function’s target.

Making/changing the settings on the phone and turning on call forwarding

	Forward all	Forward when busy	Forward after timeout
Press	 or 	 or 	 or 
Press	 Call Features	 Call Features	 Call Features
Press	 Call Forwarding	 Call Forwarding	 Call Forwarding
Press	 Forward All	 Forward when Busy	 Forward after Timeout
Press	 <input type="checkbox"/> Activate until the check box <input checked="" type="checkbox"/> is selected	 <input type="checkbox"/> Activate until the check box <input checked="" type="checkbox"/> is selected	 Activate until the check box <input checked="" type="checkbox"/> is selected
Press	 Target	 Target	 Target
Type	Phone number	Phone number	Phone number
Press			
Press	 for two seconds to return to the idle screen	 for two seconds to return to the idle screen	 3 Call Forwarding time
Type			Number of seconds
Press			
Press			 for two seconds to return to the idle screen

The status line and the status info screen will indicate that call forwarding is turned on and the number to where incoming calls will be forwarded.



Fig. 1



Fig. 2



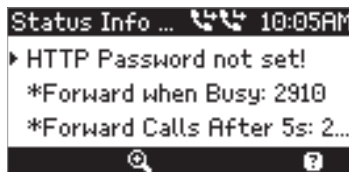
Fig. 3

Note: Call forwarding is indicated in the status line, which can display only one message at a time; forwarding of all calls (Fig. 1) is also indicated by the symbols on the display.

When "Forward when busy" (Fig. 2) and "Forward after timeout" (Fig. 3) are both activated, "Forward when busy" is shown in the status line. If there are other status messages with a higher priority than call forwarding (e.g., firmware update available, reboot required, etc.), they will take precedence over the call forwarding indication.

Press to show the **Status info** screen with all current status messages, including call forwarding. When the symbol is not available on the display, you can access **Status info** from the **Settings** menu:

1. Press .
2. Press **6 Information**.
3. Press **1 Status info**.





Turning off call forwarding

	Forward all	Forward when busy	Forward after timeout
Press	or	or	or
Press	Call Features	Call Features	Call Features
Press	Call Forwarding	Call Forwarding	Call Forwarding
Press	Forward All	Forward when Busy	Forward after Timeout
Press	<input checked="" type="checkbox"/> Activate until the check box <input type="checkbox"/> is clear	<input checked="" type="checkbox"/> Activate until the check box <input type="checkbox"/> is clear	<input checked="" type="checkbox"/> Activate until the check box <input type="checkbox"/> is clear
Press	for two seconds to return to the idle screen	for two seconds to return to the idle screen	for two seconds to return to the idle screen



Turning forwarding of all calls on/off with a programmable function key

Turning call forwarding on

1. Press . The display will show the **Target when Forwarding** screen.

Note: If the function key  is not available when the display is in idle mode, you can make it available on the **Function Keys** page of the phone's web interface. For further information see "Configuring the function keys" on page 64. Default settings: See "At a glance" on page 20.

2. If no forwarding number has been set or if it needs to be changed, enter or change the number as necessary.

3. Press . The symbol now is crossed off: .

Turning call forwarding off

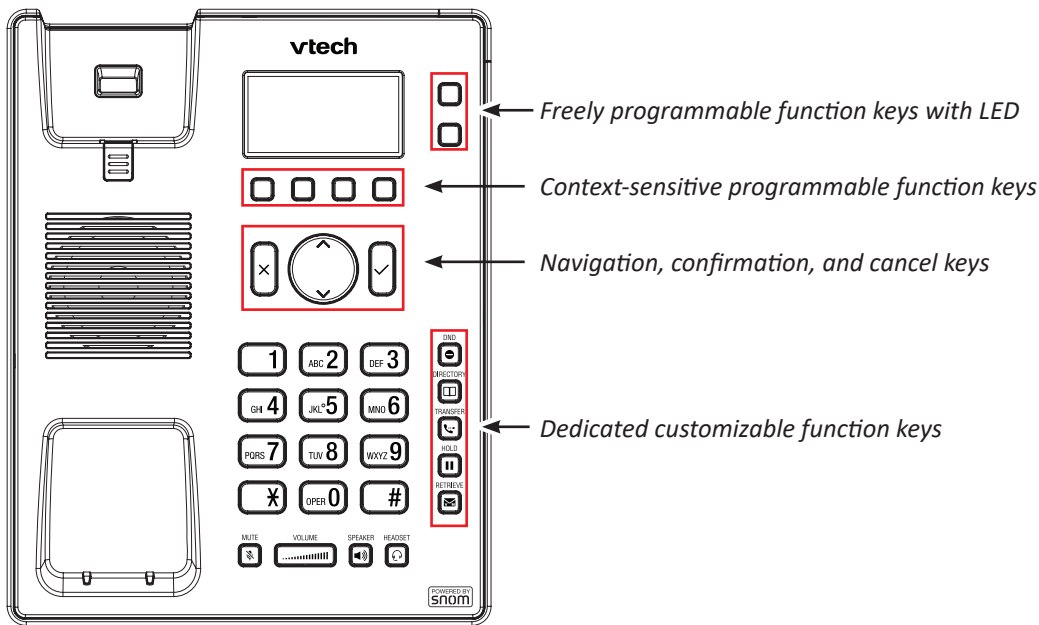
Press the function key underneath . The symbol changes to .

Configuring the function keys

See "Opening the web interface" on page 35 on how to open the phone's web interface. See "How the web interface works" on page 36 on the mechanics of navigating in the windows and changing the settings.

Any changes you make will not take effect until you click **Apply**, and changes will be lost if you open another page of the web interface without first clicking **Apply**.

There are four types of programmable function keys (see also "At a glance" on page 20):



- **Freely programmable function keys with LEDs (P1 and P2).** All available functionalities, including key events, can be programmed onto them.
 - **Context**

This setting specifies which configured identity will be used when executing the functionality of the key. You may want to use this feature when you have accounts with different providers or when you wish to present different identities to certain destinations.

For example: If you have programmed key P2 to speed dial a specific number and you want to use configured identity 2 to call that number, select configured identity 2 from the drop-down menu of P2's "Context". When you speed dial the number by pressing key P16, identity 2 will be used as the outgoing identity.

The default setting is "Active", which means that the identity selected as the phone's outgoing identity at any given time will be used.
 - **Type**

Select the type of functionality from the drop-down list. See appendix for more information. If you select "Key Event", a drop-down list with the available key events will replace the text field under "Number". The default setting is "line".

- **Number**

Enter one phone number or value for the function or, if the function is key event, select an event from the drop-down list. Enter phone numbers exactly the way they need to be dialed, i.e, type the number without spaces or punctuation marks between the digits. For example, a number with an area code that might conventionally be notated as (916) 555-1234 should be entered as 9165551234.

- Four **context-sensitive, programmable function keys** underneath the display. For the default settings, see "At a glance" on page 20. You can select a different key event to be available on each respective key when the phone is in idle mode.

You cannot change the functions that are available when the phone is active, for example when you are in a call, when the phone is ringing, etc. Depending on the activity, different functions will be available.

See "Appendix 1 - Display Symbols and Icons" on page 83 for the lists of symbols and their description.

- **Navigation, confirmation, and cancel keys.** For the default settings, see "At a glance" on page 20. You can select a different key event to be available on each respective key when the phone is in idle mode.

You cannot change the functions that are available when the phone is active, for example when you are in a call, when the phone is ringing, etc.

- **Dedicated, customizable function keys.** The default setting is indicated by the symbol of the key event printed onto the key. Other key events and a limited number of other functionalities can be programmed onto them.

Soft Keys:

Type	Number	Short Text	
Key Event ▼	Menu ▼		F1
Key Event ▼	Call Lists ▼		F2
Key Event ▼	Forward all ▼		F3
Key Event ▼	Help ▼		F4

Context-sensitive programmable function keys

Nav Keys:

Redial ▼

Menu ▼

 Next Outgoing ID ▼

Cancel ▼

Navigation, confirmation, and cancel keys

Hard Keys:

Type	Number	
Key Event ▼	Retrieve ▼	Retrieve
Key Event ▼	DND ▼	DND
Key Event ▼	Directory ▼	Directory
Key Event ▼	Transfer ▼	Transfer
Key Event ▼	Hold ▼	Hold

Dedicated customizable function keys

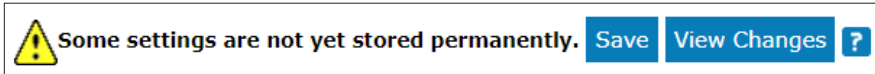
Line Keys:

Context	Type	Number	Short Text	XML Label
Active ▼	Line ▼			P1
Active ▼	Line ▼			P2

Freely programmable function keys with LED

Apply

After you have clicked **Apply**, the **Save** button appears at the top of the window. Click **Save** to prevent the changes to be lost if there is a power outage or if the phone is disconnected from its power source.



Programming the function keys

The idle function of each function key can be changed by clicking on the drop-down list to the right of the text field, selecting a function from the list, and clicking on the **Apply** button. With the exception of the freely programmable keys P1 and P2, you cannot change the functions that are available on function keys when the phone is active, for example when you are in a call, when the phone is ringing, etc.

This chapter will show you two examples for customizing function key settings to your needs and preferences:

- First example: Extension monitoring and call pickup via a freely programmable function key with LED
- Second example: Changing the setting of a context-sensitive key.

Example 1, Extension monitoring and call pick-up

This feature makes it possible to pick up a call ringing on another extension, for example when the other extension is busy or when the user is absent. The prerequisites for this function are:

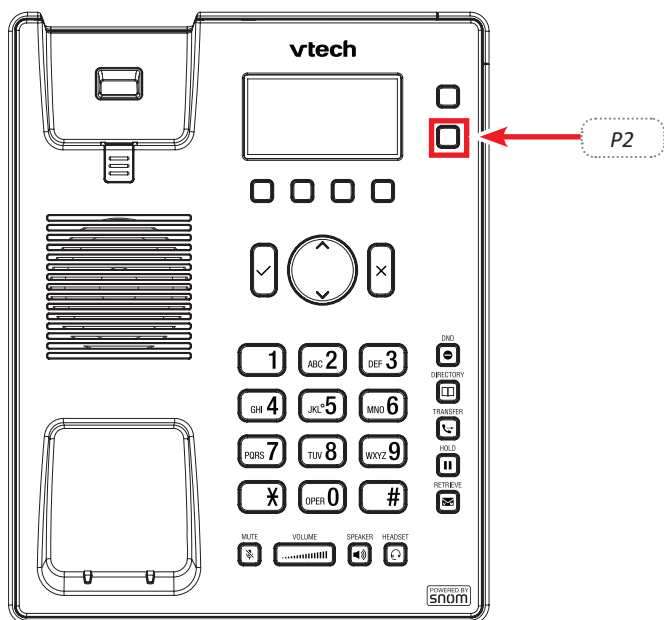
- It must be supported by the PBX.
- The extensions must permit this function. Setting: Phone's web interface > **Identity** (1-2) > **SIP** tab > "Allow incoming extension monitoring". The default is **on**.
- Restricting permission to groups of users by setting an ID: Phone's web interface > **Identity** (1-2) > **SIP** tab > "Extension monitoring group ID": Enter an ID (any character string) into the text field.

Note: The first character of the ID must not be a '{' curly brace.

- The extension to be monitored must be programmed onto one of the freely programmable function keys with LEDs. In our example we are monitoring extension 159 on key P2.

Context	Type	Number	Short Text	XML Label
Active	Line			P1
Active	Extension	< sip:159@vtech-pb		P2

1. On the phone's web interface, click on "Function Keys" in the menu on the left.
2. Under "Context" of P2, select Active or one of the configured identities from the drop-down list.
3. Under "Type" of P2, select "Extension" from the drop-down list.
4. Under "Number" of P2, enter the phone number whose calls you wish to pick up. In our example it is 159.
5. Click **Apply** and **Save**.



Note: You can also use key P2 to dial the monitored extension.

Example 2, Changing the setting of a context-sensitive key

In the following example, the setting of the left function key F1 underneath the display (Fig. 1) will be changed from **Settings** menu (Fig. 2) to **Favorites** (Fig. 3).

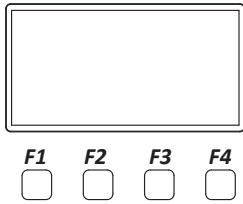


Fig. 1

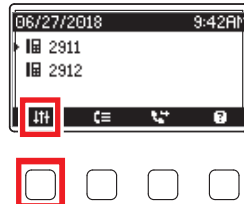


Fig. 2

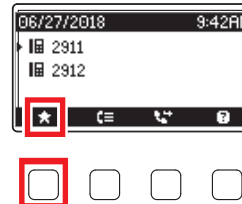


Fig. 3

Type	Number	Short Text	
Key Event ▼	Menu ▼		F1
Key Event ▼	Call Lists ▼		F2
Key Event ▼	Forward all ▼		F3
Key Event ▼	Help ▼		F4

Fig. 4

Type	Number	Short Text	
Key Event ▼	Menu ▼		F1
Key Event ▼	Deny All		F2
Key Event ▼	Directory		F3
Key Event ▼	DND		F4
	Favorites		
	Forward all ▼		
	Headset		

Fig. 5

Type	Number	Short Text	
Key Event ▼	Favorites ▼		F1
Key Event ▼	Call Lists ▼		F2
Key Event ▼	Forward all ▼		F3
Key Event ▼	Help ▼		F4

Fig. 6

1. On the phone's web interface, click **Function Keys** in the menu on the left.
2. Click the drop-down list of the left key (Menu) (Fig. 4).
3. In the drop-down list, click **Favorites** (Fig. 5).
4. Click **Apply** and **Save**.

By pressing key F1 you now have direct access to your **Favorites** list.

Customizing the phone settings

See "The phone's web interface" on page 35 on how to open the phone's web interface, how the web interface works, and how to change the settings. See "User mode/administrator mode" on page 37 on the difference between administrator and user mode.

If you have access to administrator mode, but do not consider yourself to be an expert on SIP and SIP phones, we recommend that you do not change any of the technical settings since this may adversely affect the phone's performance or put it out of order altogether.

If you want more information on a web interface setting, please refer to the ET605 Administrator and Provisioning guide.

On customizing the function key settings, see the chapter "Programming the function keys" on page 66 .

Note: Any changes you make on the web interface will not take effect until you click on "Apply" and "Save". Changes will be lost if you open another page or tab of the web interface or if you close the web interface without first clicking on "Apply" and "Save".

Identities/accounts

The phone supports up to four accounts or "phone numbers" with one or more providers or within an office or organization network. On VTech phones these accounts or phone numbers are called "identities".





Note: If your phone is part of an office network, you may need to contact your administrator to configure new or change existing identities, as this can only be done when the phone is running in administrator mode and when the PBX settings allow it.

See "Initializing and registering the phone" on page 16 for more information on required input data.

Configuring and editing identity/account

In admin mode only.

On the phone

Press  > 3 Identity > 3 Edit identity > 1 Hotdesking > select a free identity with  and enter account and registrar. If you want or need to enter more data, use  > 3 Identity > 3 Edit identity > 2 Edit identity > select a free identity with  or its number in the menu. Available menu items:

- 1 Active [Yes]
- 2 Displayname
- 3 Account**
- 4 Password

- 5 Registrar**
- 6 Outbound Proxy
- 7 Authentication Username
- 8 Mailbox

On the web interface

Open the web interface and click on an identity in the menu on the left. The configuration window for that identity will open; it contains four tabs, with the left one, Login, visible in the front. To view **Features**, **SIP**, **NAT**, and **RTP** pages, click on the respective tab; the font weight of the tab on the active page is **bold**.

Login	Features	SIP	NAT	RTP
Login Information:				
Identity active:	<input checked="" type="radio"/> on <input type="radio"/> off ?			
Displayname:	<input type="text" value="2912"/> ?			
Account:	<input type="text" value="2912"/> ?			
Password:	<input type="password" value="*****"/> ?			
Registrar:	<input type="text" value="vtech-pbx.ca"/> ?			

1. Login tab. Enter the information received from your provider or your administrator in the appropriate fields.

- Display name

The display name is optional and freely selectable. It will be sent to any parties you call unless you hide your identity (see "Hiding my caller ID" on page 79). If you do not enter a display name, the data in the "Account" text field will be shown on your display and sent to any parties you call unless you hide your identity.

- Display text for idle screen

Any text you enter in in this text field will be shown - instead of your display name or account - on your display only. It will not be sent to any parties you call.

- Ringtones

The phone has 10 built-in ringtones that can be assigned to identities, group types, and contact types. It is also possible to download a custom melody and to turn off the ringer by selecting "Silent".

See "Assigning ringtones" on page 71.

2. SIP settings. Click on the **SIP** tab to bring the page to the front. It contains a number of technical settings and textfields for entering URIs/URLs to various servers (for music-on-hold, for example), as well as some behavior settings. These are:

- Automatic acceptance of incoming calls: **Auto Answer**. The default setting is "off".

Acoustic alert (one short beep) when the phone accepts a call automatically:

Preferences page > **Auto Answer** section > **Auto Answer Indication**. The default setting is "off".

- Contact List. A contact list must be available on a server. Click "on" and enter the **Contact List URI**.

- Identity can receive calls. The default setting is "on". The default setting is "on". If you want to be able to use the identity for outgoing calls but do not wish other phones to be able to call the identity, turn the setting off.

- Allow incoming extension monitoring. If you do not want other phones to be able to monitor the activity on your phone, turn the setting off.

You can also allow only certain phones to monitor and pick up your calls. In this case, select the "On" setting and enter a password into the next field of the next setting, "Extension monitoring group ID".

The password cannot start with a "{" bracket.

Any phone allowed to monitor and pick up your calls must also use the same password in this text field.

Note: If you want the activity on the monitored phones to be displayed on your idle screen, enable the "Go to Call Monitor on Activity" on the **Advanced Settings** page > **Behavior** tab > **Phone Behavior** section.

3. If you have changed the account or the registrar, click on "Re-Register" and "Save". If you have made other changes, clicking on "Apply" and "Save" suffices (see "How the web interface works" on page 36).

Assigning ringtones






The phone has 10 built-in ringtones that can be assigned to identities, group types, and the contact type "VIP". It is also possible to download a custom melody. When an incoming call to an identity is ringing, the phone will play the ringtone assigned to that identity, unless it is a call from a VIP or a group with a distinctive ringer of their own.

Note: Ringers assigned to the contact type VIP and to any of the group types override the ringers assigned to identities. For example, if you have assigned Ringer 1 to one of the identities and Ringer 2 to the group "Colleagues", the phone will play Ringer 2 when a contact from the "Colleagues" group calls that identity.

If your ringtones don't seem to work as expected, contact your administrator. There may be an overriding setting on the PBX.

Assigning ringtones to contact type VIP and group types: See "Ringtones" on page 40.

Selecting identity ringtones:

- **On the phone:** 1 Preferences > 3 Audio > 2 Ringer. If there is more than one configured identity on the phone, they are shown on the display.
 - Select an identity with  and press  to hear the current ringtone for that identity.
 - Selecting a different ringtone: Press / to navigate up and down the list of ringtones. The marked ringtone is played. Press  to save the marked ringtone as the new ringtone for the currently selected identity and return to the identity screen.
- **On the web interface** (the ringtones will be played by the phone): **Identity** (1-2) > **Login**.
 - Click on "Play Ringer" to play the currently selected ringer.
 - To change the ringer, select a ringer from 1 to 10 in the drop-down menu of "Ringtone". If you have selected the custom melody, enter the URL to the data file in the text field underneath. It must be a file of the type PCM 8 kHz 16 bit/sample (linear) mono WAV.
 - Click on "Apply" and "Save".

Date and time formats

Date and time formats can be set on the phone and on the web interface. The defaults are US time format and 24-hour clock (Fig. 1 and 2). European date and time formats are shown in Fig. 3 and 4, US date and time formats in Fig. 5 and 6.

Setting

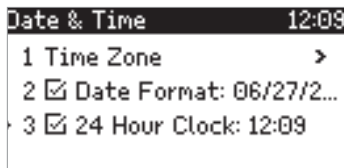


Fig. 1

Effect on display



Fig. 2

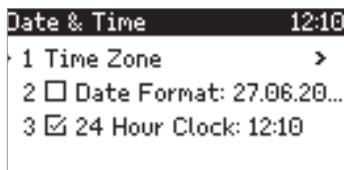


Fig. 3



Fig. 4

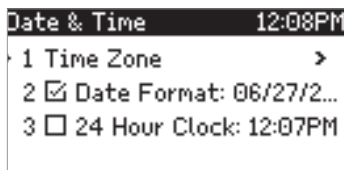





Fig. 5




Fig. 6

Date

- Phone settings. Switching formats:

- Press  > 1 Preferences > 2 Date & Time > 2 Date Format.
- Press  or  to change the Date Format setting.

The empty or ticked checkbox indicates whether **Date Format** is European format () or U.S. date format (.

- Press  briefly to return to the previous menu or for two seconds to return to the idle screen.

- Web interface settings.






- Open the **Preferences** page > **General Information** section > **US Date Format**. The default is "on".
 - Select "on" to have the date shown on the phone's display in "mm/dd/yyyy" format.
 - Select "off" to have the date shown on the phone's display in "dd.mm.yyyy" format.

Date	US Date Format	
	Setting "On"	Setting "Off"
March 5, 2018	03/05/2018	05.03.2018
March 12, 2018	03/12/2018	12.03.2018
December 5, 2017	12/05/2017	05.12.2017
December 10, 2017	12/10/2017	10.12.2017

- Click on "Apply" and "Save".

Time

The time setting affects phones and/or firmware versions with a digital clock only. If the phone has a clock face, changing the setting will not affect it.

- Phone settings.
 - Press  > 1 Preferences > 2 Date & Time.
 - Press the number key to switch the 24-hour clock setting, indicated by the symbol , to the 12-hour AM/PM setting, indicated by the symbol . Alternative method: Scroll to "24-hour clock" and press .
 - Press  briefly to return to the previous menu or for two seconds to return to the idle screen.
- Web interface settings.
 - Open the **Preferences** page > **General Information** section > **24 Hour Clock**. The default is "on".
 - Select "on" to have the time on the phone's display shown in 24-hour format, 00:01 to 24:00 .
 - Select "off" to have the time on the phone's display shown in AM/PM format, 0:01AM to 12:00PM.
 - Click on "Apply" and "Save".

Time zone

Note: The time zone setting is accessible in administrator mode only.

You can change the time and date settings manually in admin and user mode, but the settings will be overwritten at the next reboot of the phone:

 > 1 Preferences > 1 Date & Time > 4 Time (3 in user mode) > 5 Date (4 in user mode.)

The phone receives the time and date from your NTP time server. If the time and/or date on the display are incorrect, you may need to set the correct time zone. If you have set the correct time zone and the time is still incorrect, there may be a problem with the time server. Contact your network administrator or your IP provider.

The list of time zones is arranged by the difference in hours (+/-) to the UTC and, within each time zone, alphabetically by selected locations (country or country and city). Selecting and setting the time zone:

On the phone










1. Press  > 1 Preferences > 2 Date & Time > 1 Time Zone.



Fig. 1



Fig. 2

- Press  to collapse the list to show only selected times zones and/or locations where the phone language is spoken. When the phone language is English, all time zones are shown (Fig. 1).
 - When only selected time zones and/or locations are shown (Fig. 2), press  to show all.
 - Press  to fast-forward to the beginning of the next time zone, i.e., UTC +1, +2, etc.
 - Press  to move back to the end of the previous time zone, i.e., UTC +1, +2, etc.
 - Use  /  to scroll.
2. Press  to save your selection
 3. Press  briefly to return to the previous menu or for two seconds to return to the idle screen.

On the web interface

This setting can be accessed in administrator mode only.






1. Open the **Advanced Settings** page > **Network** tab > **Time** section > **Timezone**.
2. Select your timezone/country/city from the drop-down list.
3. Click on "Apply" and "Save".

Language settings of phone and web interface

The language used on the phone can be changed on the phone as well as on the web interface. The language used on the web interface can be changed on the web interface only.

Phone language

Setting on the phone

1. Press  > 1 Preferences > 1 Language.
2. Use  /  to scroll.
3. Press  to save the selected language.
4. Press  briefly to return to the previous menu or for two seconds to return to the idle screen.

Setting on the web interface

1. Open the **Preferences** page > **General Information** section > **Language**.
2. Select the language from the drop-down list.
3. Click on "Apply" and "Save".






Web interface language

1. Open the **Preferences** page > **General Information** section > **Web interface language**.
2. Select the language from the drop-down list.
3. Click on "Apply" and "Save".

Dial tones

Different dial tones for different countries! Select yours on the phone or on the web interface.

Setting on the phone

1. Press  > 1 Preferences > 3 Audio > 1 Tone Scheme.
2. Use  /  to scroll.
3. Press  to save the selected country.
4. Press  briefly to return to the previous menu or for two seconds to return to the idle screen.

Setting on the Web Interface

1. Open the **Preferences** page > **General Information** section > **Tone Scheme**.
2. Select the country from the drop-down list.
3. Click on "Apply" and "Save".

Emergency numbers

These are numbers that can be dialed when the keyboard is locked. They must be set beforehand on the web interface. The numbers "911", "112", "110", and "999" are preset.

1. Open the **Preferences** page > **Lock Keyboard** section > **Emergency Numbers (space separated)**.
2. Enter the emergency numbers in the text field. Type each number without spaces between the digits, separate the individual numbers with one empty space between them.

Example: If you want to set the emergency phone number 911 and the phone numbers of your doctor (986543) and a friend (234578), the entry would look this: 911 986543 234578.

3. Click on "Apply" and "Save".

Call forwarding

This feature automatically redirects all or certain incoming calls to another phone or a mailbox. If you set call forwarding on the phone, the settings are applied to all configured identities on the phone. On the web interface, the settings are configured separately for each identity.

Always

All incoming calls are forwarded to the number of the phone, extension, or mailbox specified as this function's target.

When busy

Calls ringing while the phone is busy are forwarded to the number of the phone, extension, or mailbox specified as this function's target.

After timeout

When a call starts ringing, the phone will wait for the number of seconds specified as "call forwarding time". If the call has not been accepted by the end of this time period, it is forwarded to the number of the phone, extension, or mailbox specified as this function's target.

When a call starts ringing, the phone will wait for the number of seconds specified as "call forwarding time". If the call has not been accepted by the end of this time period, it is forwarded to the number of the phone, extension, or mailbox specified as this function's target.

Configuring the settings on the phone

See "Making/changing the settings on the phone and turning on call forwarding" on page 61 .
The settings apply to all identities configured on the phone.

Configuring the settings on the web interface

If your internet telephony provider or your PBX uses codes to turn functions on and off, refer to their manuals for the codes to enter in "On Code"/"Off Code" text fields or ask your administrator.

Setting forwarding numbers

- Forwarding all incoming calls:
 1. Open the **Identity** page > **Features** tab > **Call Forwarding** > *Always*.
 2. Type the phone number in the "Target" text field. Type each number the way it needs to be dialed by the phone, without spaces or punctuation between the digits.
 3. Click on "Apply" and "Save".
- Forwarding incoming calls when the phone is busy:
 1. Open the **Identity** page > **Features** tab > **Call Forwarding** > *Busy* .
 2. Type the phone number in the "Target" text field. Type each number the way it needs to be dialed by the phone, without spaces or punctuation between the digits.
 3. Click on "Apply" and "Save".

- Forwarding incoming calls when they are not answered:
 1. Open the **Identity** page > **Features** tab > **Call Forwarding** > *Timeout*.
 2. Type the number of seconds into the text field of "Timeout (sec)". If an incoming call hasn't been answered when the time has elapsed, the call will be forwarded to the phone number entered as target.
 3. Type the phone number in the "Target" text field. Type each number the way it needs to be dialed by the phone, without spaces or punctuation between the digits.
 4. Click on "Apply" and "Save".

Turning call forwarding on

1. Open the phone's Web interface > **Identity** page > **Features** tab > **Call Forwarding**.
2. Click "On" after the forwarding event (*Always, Busy, Timeout*).
3. Click on "Apply" and "Save".

Turning call forwarding off

1. Open the phone's Web interface > **Identity** page > **Features** tab > **Call Forwarding**.
2. Click on "Off" after the forwarding event (*Always, Busy, Timeout*).
3. Click on "Apply" and "Save".




Call completion

On VTech phones, call completion means that when a called number is busy or not available, your phone will call you back as soon as the dialed number is not busy anymore or available again. The factory default setting is "off". See "Call completion" on page 51 on how to use this feature.



Note: This function must be supported by your VoIP provider and/or your PBX.

On the phone

Turning call completion on/off

1. Press  > 2 Call Features > 2 Outgoing Calls > 4 Call Completion.
2. Press  or  to change the Call Completion setting.

The empty or ticked checkbox indicates whether **Call Completion** is on () or off (). Default setting is off.

3. Press  briefly to return to the previous menu, press  for two seconds to return to the idle screen.

On the web interface

Open the phone's web interface > **Advanced Settings** page > **Behavior** tab > **Phone Behavior** section > **Call completion**: Click on.


Call waiting

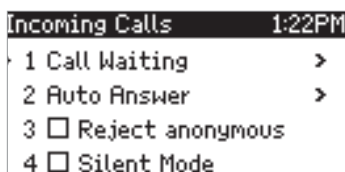
Default setting: When in a call, another call coming in is announced visually in the status line and acoustically by a double beep. See "Call waiting" on page 53 on how to use this feature. Available settings:

- **On:** Visual and acoustic announcement of calls waiting
- **Visual only:** Visual announcement of calls waiting in the status line
- **Ringer:** Acoustic announcement by double beeps
- **Off/inactive:** No announcement; callers hear the busy signal

Call waiting can be set independently for each identity on the phone's web user interface. If you use the phone to change the setting, it will apply to the current outgoing identity.

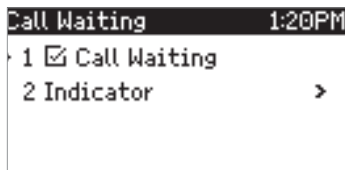
Setting on the phone

1. Press  > Call Features > Incoming Calls > Call Waiting.

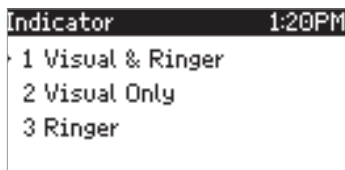


2. Press  or  to change the Call Waiting setting.

The empty or ticked checkbox indicates whether **Call Waiting** is on () or off (). The default setting is off.



3. Press 2 Indicator.



4. Select setting with  / .

5. Press  to save.






Setting on the web interface

1. In the menu on the left, click on the identity whose call waiting settings you want to change.
2. Click on the **SIP** tab. The setting **Call Waiting Indication** is the second to last on the page.
3. To turn call waiting off, select "off" from the drop-down menu. Select "visual only" or "ringer" if you want waiting calls announced only by the "phone ringing" symbol or by the double beep, respectively.
4. Click on "Apply" and "Save".

Hiding my caller ID

With this setting your phone number will not be transmitted to any phones you call. Please note that your call may not be accepted if the other phone is set to reject anonymous calls (see next item).

Setting on the phone

1. Press  > 2 Call Features > 2 Outgoing Calls > 5 Hide own outgoing ID.
2. Press  or  to change the setting.
The empty or ticked checkbox indicates whether **Hide own outgoing ID** is on () or off (.
3. Press  briefly to return to the previous menu, press  for two seconds to return to the idle screen.

Setting on the web interface






1. Open the **Preferences** page > **Privacy Settings** section > **Suppress own number (CLIP/CLIR)**.
2. Click **Hide**.
3. Click on "Apply" and "Save".

Rejecting anonymous calls

With this setting you will not receive calls from phones whose number is not shown on your display. Anonymous callers will hear the busy signal.

Please note that calls from analog phone connections will, most likely, be received as anonymous calls. The default is off.

Setting on the phone

1. Press  > 2 Call Features > 3 Incoming Calls > 3 Reject anonymous.
2. Press  or  to change setting from off to on: 1 Reject anonymous.
3. Press  briefly to return to the previous menu, press  for two seconds to return to the idle screen.

Setting on the web interface

1. Open the **Preferences** page > **Privacy Settings** section > **Reject incoming anonymous calls**.
2. Click **Reject**.
3. Click on "Apply" and "Save".

Speed dial

You can use the numbers 0 to 30 and the special characters # and * to speed dial frequently dialed and/or long numbers without having to enter the complete phone number. The numbers must be set on the phone's web interface first.

1. In the menu on the left side of the phone's web interface, click on **Speed Dial**.
2. Enter one phone number with any required prefixes (area code, country code, operator/auto attendant, etc.) in the text field for each respective number or special character in the table.

Speed Dial Table:	
0:	<input type="text" value="9175550123"/> ?
1:	<input type="text" value="9175550784"/> ?

- Type each phone number without spaces or punctuation between the digits.
For example: You want to be able to speed dial phone number 555-0784 in area code 917 by pressing the key. In conventional notation you might write the number down as (917) 555-0784. In the speed dial table, type 9175550784 into the text field of the number 1.
- If you want to add a name or other data before or after the number, type the number in angled brackets <>. Example: Accounting <9175551784>.


Note: If you use this format, you can only dial the speed dial number from the web interface by clicking on the phone symbol on the right side of the line. **You cannot dial the number from the phone by pressing the speed dial number**, but the outgoing call is made by the phone. You can use handset, headset, or speakerphone once the connection has been established.

Speed Dial Table:	
0:	<input type="text" value="XYZ SalesRep<9175551770>"/> ?
1:	<input type="text" value="XYZ Accounting <9175551784>"/> ?

3. Click on "Apply" and "Save". You can now speed dial the number by pressing and on the phone.

Software update

Manual update

1. Open a browser and enter the address <https://businessphones.vtech.com>.
2. Point to **Products** and click **SIP Phones**.
3. Click **ET600 Series**.
4. Scroll down the page and click the **ErisTerminal® SIP Deskset ET605** link.
5. Click **Downloads**.
6. Click on the firmware version currently running on your phone.
7. Right-click on the link of the firmware version you want to update to.
8. Click on **Copy link location** or **Copy link address** (wording depends on your browser).
9. Open the phone's web interface > **Software Update** page.
10. In the **Manual Software Update** area, paste the link into the text field of "Firmware".
11. Click on **Load**. The phone begins to reboot.
12. If the phone asks "Reboot?", press .
13. **DO NOT DISCONNECT THE POWER WHILE THE PHONE IS REBOOTING!**



Auto provisioning

1. Open the phone's web interface > **Advanced Settings** page > **Update** tab.
2. In the Update area, configure the settings.
For more information, see the ET605 Administrator and Provisioning Manual.
3. Click on **Apply**. If you have changed the setting URL and/or the PnP configuration, a reboot is required before they will take effect.



Troubleshooting

Reboot

In user mode

1. Press .
2. Press 4 Maintenance.
3. Press 2 Reboot.
4. When asked whether to "Reboot?", press .
5. Wait for the idle screen to reappear.

In admin mode

1. Press .
2. Press 5 Maintenance.
3. Press 2 Reboot.
4. When asked whether to "Reboot?", press .
5. Wait for the idle screen to reappear.



Hard reboot

Disconnect the power, wait for a few seconds, and reconnect. Wait for the idle screen to reappear.

Warning: Never disconnect the power during a firmware update!

Reset to factory values

The phone can be reset to factory values in admin mode only.

1. Press .
2. Press 5 Maintenance.
3. Press 3 Reset values.
4. Enter the administrator password and press .
5. Wait for the idle screen to reappear.
6. See "Initializing and registering the phone" on page 16 to continue.

Warning: All customized settings will be lost!


















Appendix 1 - Display Symbols and Icons

Symbols found in the function key line

The buttons symbolize the functions that are currently available for activation. Press the function key underneath the symbol to activate the function. The equivalent text symbols used in previous firmware versions can be found in the first column on the right.



























Programmable function symbols

These are the symbols displayed in the function key line when the phone is idle. They can be selected on the phone's web interface > **Function Keys** page. See "At a glance" on page 20 for the default settings.

	Call list menu (missed, received, and dialed calls)
	Available status messages
	Turning DND on and off
	Contacts list
	Forwarding all calls (turning on/turning off)
	Presence signaling on/off
	Retrieving messages from mailbox
	Settings menu
	Directory
	IP address of phone and VTech's web address
	Redial (dialed calls)
	Received calls
	Missed calls
	Favorites
	LDAP Directory
	Next outgoing ID
	Previous outgoing ID

Context-sensitive symbols

These are the symbols displayed in the function key line when the phone is active, for example when a call is ringing, when you are dialing, etc.











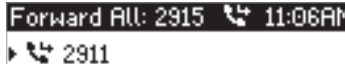
	Confirming a selection or an action
	Terminating/canceling an action and returning to the previous screen
	Switching input mode to lower case letters
	Switching input mode to upper case (capital) letters
	Switching input mode to numerals
	Deleting the character to the left of the cursor
	Available pool of directories, contact lists, etc.
	Sorting Directory entries
	Editing mode for selected Directory entry
	Deleting selected directory entry
	Details of missed calls (to, from, date/time, total number) and of received and dialed calls (to, from, date/time, duration)
	Returning to idle screen
	Deleting selected call list entry
	Deleting entire call list
	Moving to beginning of next time zone
	Moving to end of previous time zone
	Expanding the list of time zones to show all
	Collapsing the list of time zones to show only time zones relevant to the language setting (i.e., countries where the language is spoken)
	Put call or conference on hold; unhold call
	Selecting call on hold (display the "Holding" screen). Press to switch between two calls on hold, or between a held call and an active call.
	Establishing conference with all calls on hold
	Call transfer
	Display the "Connected" screen that shows an active call.
	Turning on the casing speaker when in call on handset or headset
	Turning off the casing speaker when in call on handset or headset
	Display the "Ringing" screen that shows an incoming call.

Display indications



On activity

	Outgoing call ringing
	Incoming call ringing
	Connected
	Holding call
	Call being held by other party

On idle screen

	<p>Outgoing identity</p> <ul style="list-style-type: none"> Active identities are indicated by the phone symbol. If there is more than one active identity, an arrow  precedes the current outgoing identity. When you call someone, this is your identity for the call. Select a different identity for the next call by pressing  on the navigation key.
	<p>Active identity</p> <ul style="list-style-type: none"> A second configured and active identity is indicated by the phone symbol. Active identities can be called. Active identities can be selected as the outgoing identity for making calls by pressing  on the navigation key. The arrow  is added before the identity. <div style="display: flex; justify-content: space-around;">   </div>
	<p>Identity not properly registered</p> <p>By changing the status of an identity to "inactive" on the phone's web interface, it can be deregistered without removing its registration settings. Inactive identities are not shown on the idle screen. They cannot be called or selected as the outgoing identity. To deregister the identity, open the phone's web interface > Identity (1-2).</p> <ol style="list-style-type: none"> Change the Identity active setting to "off". Click on Re-Register. Click on Save.
	<p>Forwarding all incoming calls: </p>

Appendix 2 - Status Messages

Whenever there is a current message concerning the status of the phone, the function key  will be available. Press the function key or, if it not available,  > Information > Status Info, to open the "Status info" screen. Additionally, some status messages will also be displayed in the status bar; if there is more than one current message, the one with the highest priority will be shown. The messages in descending order of priority:

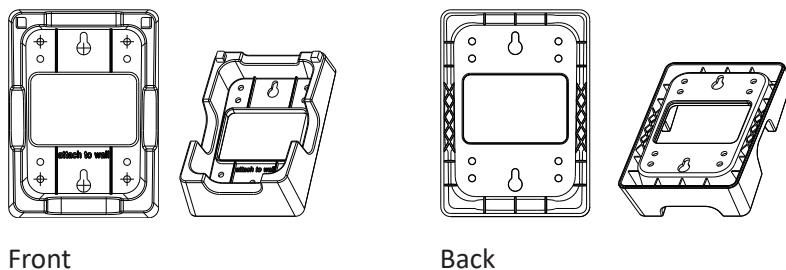
Status message	Definition
SW ¹	A firmware update is available
Reboot required ¹	Reboot required, for example to have settings changes take effect
SIP disabled ^{1,2}	The phone cannot make calls due to license problems
Error ¹	An error occurred
Low memory ¹	Disk space full
Remote directory is too big ¹	The remote directory is too big to be imported
Not Registered: <account> ^{1,2}	The specified identity/account is not registered
Waiting for <name/number> to be available ²	Waiting for call completion to busy or currently unavailable number
<account> is now available ²	The dialed number is not busy anymore or is now available
Forward when Busy: <name/number>	Call forwarding is on. When your phone is busy, incoming calls will be forwarded to the phone number indicated
Forward after Timeout: <name/number>	Call forwarding is on. When an incoming call is not picked up within the set number of seconds, the call will be forwarded to the phone number indicated
Forward all: <name/number> ²	Forwarding of all incoming calls is on. All incoming calls will be forwarded to the phone number indicated.
Contacting NTP server	Network Time Protocol (NTP) is a protocol for synchronizing clocks over data network. If the connection is interrupted, the phone will not be able to display the correct time.
NTP server unreachable ¹	
HTTP Password not set ¹	No HTTP password has been set
Admin Password not set ¹	No Admin password has been set
Keyboard locked ²	Only numbers designated as emergency numbers can be dialled
DND active ²	Do not Disturb mode is activated
You have messages	There are spoken messages on the mailbox
You have new messages	New (messages on the mailbox)
Old messages	Old (messages on the mailbox)
Missed: <number>	The number of calls you missed since the last time you checked the list of missed calls or turned off the missed call indication

¹ The function key symbol  will blink

² The message cannot be deleted from the "Status Info" screen

Appendix 3 - Wall Mounting

The ET605 wall mount bracket is available as a separate accessory.



The two holes on the wall bracket marked ① can be hung on two screws or on the studs of a US standard ethernet wall plate (4" center); bolting the bracket to the wall is optional and normally not necessary. For the screw sizes and measurements for hole drilling, see "Measurements" on page 88.

Please note: Screws, expansion anchors, and standard ethernet wall plate are not included with either phone or bracket.

Note: If the footstand is attached to phone, it must be detached before attaching the bracket.

Preparing the phone for wall mounting

1. Plug the long end of the handset cord into the connector labeled " " on the bottom shell of the phone and place cord in the cable guide (Fig. 1) before attaching the wall bracket to the phone.

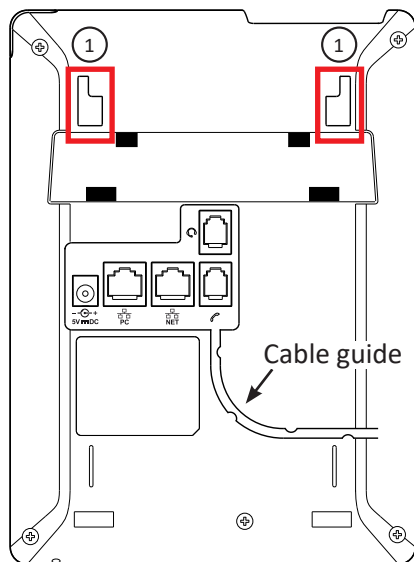


Fig. 1

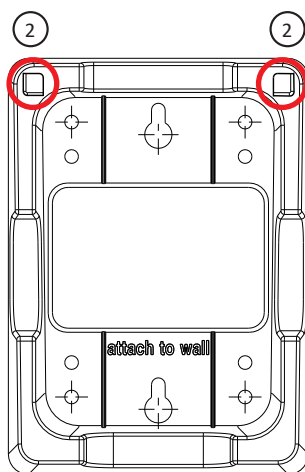


Fig. 2

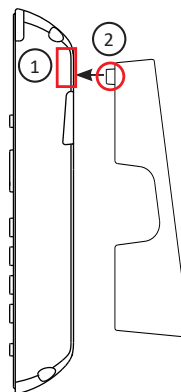


Fig. 3

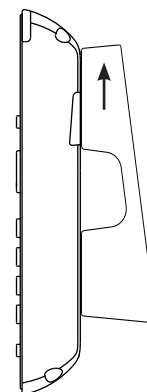
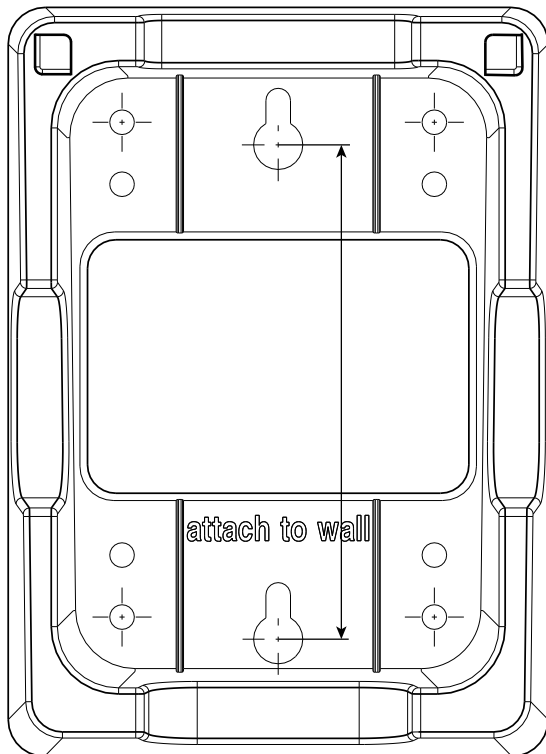
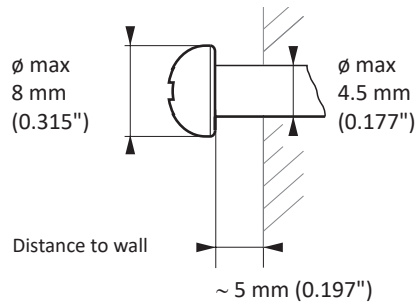


Fig. 4

2. Place the two hooks on the wall bracket (marked ② in Fig. 2 and 3) into the holes marked ① (Fig. 1 and 3) on the bottom shell of the phone. Push the bracket upwards until the hooks click into place (Fig. 4).

1. Plug in the ethernet cable and, if needed, the power cable and the optional PC cable (Power adapter/cable and PC cable are not included in delivery).
2. Hang phone and bracket on the two screws on the wall or on the studs of the ethernet wall plate.
3. To hold the handset more securely, we recommend rotating the handset tab 180° around its vertical axis so that it protrudes slightly above the edge of the cradle (see "Rotating the tab of the cradle" on page 13).
4. Plug the free end of the handset cord into the connector on the handset and place the handset in the cradle.

Measurements



Appendix 4 - Programmable Functions


Following is a brief description of the function key settings available on the **Function keys** page of the phone's web interface.

Freely programmable functions

Action URL	Action URLs are basically HTTP GET Requests that allow the phone to interact with web server applications. They can be used to send various data from the phone to a web server, like the customized settings stored on the phone; passwords are replaced by empty strings. Action URLs can be triggered by predefined events (Action URL Settings page of the phone's web interface) or manually by a pressing a function key that has been programmed to trigger an action.
Auto Answer	With this setting, your phone will automatically accept incoming calls when it is idle. If you leave the text field empty, incoming calls for all configured identities will be accepted; if you enter the number of an identity in the text field, only calls to that identity will be accepted automatically (i.e. 1 for Identity 1, 2 for Identity 2).
BLF (Busy Lamp Field)	This function key allows showing the status (idle, ringing, held call, busy) of another extension on the key's LED. By pressing the key, it may also be possible to pick up calls ringing on the extension, to dial the extension when the phone is idle, and to transfer an incoming call ringing on your own extension. These functionalities depend on your PBX; for more information, please check the PBX manual. With Asterisk, generally use this feature rather than extension.
Button	This is a function key that is connected to your PBX to perform a specific task.
Call Agent	This function key can be used by call agents to perform one of three different functions, depending on the value entered in the "Number" text field: <ul style="list-style-type: none"> Logging onto and off the system. Text field entry: F_CALL_AGENT_LOGGEDIN. Signaling readiness to accept calls. For this function to work, the agent must be logged in. Text field entry: F_CALL_AGENT_READY. Announcing that they are working after a call. For this function to work, the agent must be logged in. Text field entry: F_CALL_AGENT_WORKINGAFTERCALL.
Conference Server	This function key can be used for PBX-based conferences and for local conferences on the phone itself. <ul style="list-style-type: none"> PBX-based conferences. When a conference room or conference account has been created on the server for an individual identity, you can dedicate a function key to calling and monitoring the conference room. Select the identity and the "Conference server" function from the respective drop-down menus and enter the SIP URI of the conference room in the "Number" text field. For information on how to use this key with your particular PBX, please check the PBX manual. Phone-based conferences. If there is no SIP URI in the text field, pressing the function key will initiate a phone-based conference with all held calls and any active call.
DTMF	This function allows the specification of arbitrary key sequences (allowed digits: "0-9", "*", "#", "A-D" and flash: "!") which will be sent via DTMF when this key is pressed during an active call.


<p>Extension</p>	<p>This function key allows showing the status (idle, ringing, held call, busy) of another extension on the key's LED. By pressing the key, it may also be possible to pick up calls ringing on the extension, to dial the extension when the phone is idle, and to transfer an incoming call ringing on your own extension. These functionalities depend on your PBX; for more information, please the PBX manual. With Asterisk, generally use BLF rather than this function.</p>
<p>Forward to</p>	<p>All incoming calls will be forwarded to the number (extension or external phone number) specified under "Number". The key is used to turn forwarding of all calls on and off; the red LED lights up when the function is turned on.</p>
<p>Intercom</p>	<p>Pressing a function key mapped with "Intercom" will establish a two-way connection to the extension specified in the "Number" text field; that extension must have enabled intercom reception on its web interface (Advanced Settings > Behavior tab > Phone Behavior > Intercom Policy > "only in idle" or "always").</p> <p><u>"Intercom Policy" settings on the phone being called via intercom:</u></p> <p>Always: The intercom call will connect to the called phone automatically; if the called phone is in a call, that call will be placed on hold.</p> <p>Only in idle: The intercom call will connect to the called phone automatically if the called phone is idle. If it is in a call, the incoming intercom call will be announced as call waiting.</p> <p>Off: Pressing the intercom key will call the extension specified in the "Number" text field where it will be treated like any other incoming call, i.e., ring, be forwarded, etc.</p>
<p>IVR</p>	<p>This function key can be used for regular calls to an extension that is reached via an IVR or auto attendant and a number of voice prompts where the caller has to make a selection by pressing a key after or during the prompt. If you know which keys need to be pressed in which order in order to reach the desired extension, the entire process can be automated and considerably speeded up.</p> <p>The syntax for the "Number" text field entry is <code><phone_number>;dtmf=<n>,<n></code>, etc. The angle brackets <>including their content are placeholders for the variables that you must replace by the actual characters. The comma represents a pause of one second, and n represents any number key on the alphanumeric keypad.</p> <p>Example: The number to dial is (917) 555-3814. When the connection has been established, the caller will hear three prompts. After the first prompt, he must press key 1; after the second prompt, he must press 3; and after the third prompt he must press 1 to reach the desired extension. The entry in the "Number" text field must look like this: <code>9175553814;dtmf=1,3,1</code>.</p> <p>Usage: When the phone is in idle mode, press the key to dial the number. As soon as the connection has been established, the phone will automatically send the DTMF tones associated with the alphanumeric keys 1, 3, and 1 with a one-second pause between them.</p> <p>(If the function type "IVR" doesn't work on individual phones, try "Speed dial" with the above description.)</p>
<p>Key Event</p>	<p>When this key type is selected, a drop-down menu opens under "Number". For the available selections, see "Key Events" on page 93.</p>

Line	<p>"Line" key can behave as a private line or shared line key, according to the setting user_shared_line.</p> <p>Private Line:</p> <p>Default setting for all freely programmable function keys. Incoming calls will go to the first free "line" key, and outgoing calls will use the first free line key.</p> <p>Line keys can be used to make outgoing calls with the identity selected from a particular key's "Context" menu and to have incoming calls for that identity going to that particular function key. If the key is busy, the incoming call will go to the first free line key.</p> <p>Shared Line:</p> <p>Bridged lines (Bridged Line Appearance (BLA)) are shared by two or more users; when one of them is using the line, the others are blocked from using it. This key type makes it possible to monitor whether a shared line is busy (the LED is lit) or not (the LED is off). The URI of the shared line is set under "Number".</p>
Multicast Page	<p>This function key enables the phone to send multicast streams to IP multicast group addresses. The multicast IP address and port are entered in the "Number" text field in the format <i><multicast IP address>:<port></i> (e.g., 239.255.255.245:5555). The angle brackets <i><></i> including their content are placeholders for the variables that you must replace by the actual characters.</p> <p>Please note: This key is for sending multicast streams. To allow reception of multicast streams, multicast support must be enabled on the phone's web interface, Advanced settings > SIP/RTP tab > Multicast by setting Multicast Support to "on". You must also enter the IP addresses of the multicasts you wish to receive in ascending order of priority, 10 being the highest. In case of simultaneous multicasts, the one with the highest priority at any given time will override the others.</p>
Park Orbit	<p>If a park orbit has been set up on the server, a function key mapped with the Park Orbit functionality can EITHER serve to park calls on the park orbit OR to park as well as retrieve calls, depending on the type of server used. Select the server type on the Identity page of the context identity, SIP tab, from the "Server Type Support" drop-down menu. Enter the "phone number" of the Park Orbit and/or the park position in the text field of "Number", for example orbit1@my.proxy.com or 700@my.proxy.com etc.</p>
Presence	<p>If supported by your PBX, the LED of this function key will reflect the presence status (ringing, busy, available, etc.) of the extension specified in the "Number" text field. The function key can also be used to dial the extension, usually when the destination signals availability.</p>
Push2Talk	<p>Pressing the function key mapped with "Push2Talk" will establish a two-way connection to the extension specified in the "Number" text field for as long as the key is pressed; that extension must have enabled intercom reception on its web interface (Advanced Settings > Behavior tab > Phone Behavior > Intercom Policy > "only in idle" or "always").</p>
SendSipInfo	<p>Send SIP INFO while call is connected. Message contains a "generic_value" header field with custom content.</p>
Speed Dial	<p>Besides using the Speed Dial page on the web interface to program speed dial numbers, you can also put the functionality on the freely programmable function keys with LEDs to be able to speed dial frequently used and/or long numbers without having to enter the complete phone number.</p> <p>Enter one phone number with any required prefixes (area code, country code, operator/auto attendant, etc.) in the "Number" text field for any given freely programmable function key with LEDs. Example: 0019175557813.</p> <p>Or enter a partial phone number (country, area code etc.) and complete the number on the dialog screen. In this case, enter the partial number, followed by a semicolon and "number=incomplete" in the text field. Example: 001917555; number=incomplete.</p>

Starcode	<p>Making SIP calls without audiovisual indication on the phone user interface (PUI).</p> <p>Examples for using this feature:</p> <ul style="list-style-type: none"> Controlling settings on the PBX with dedicated keys that turn PBX functions on and off. The available functions must have been set on the PBX and they must be accessible from the phone, typically by dialing a star code. Phone function keys can be dedicated to activating and deactivating call forwarding and DND mode, transferring, picking up, and parking/unparking calls, etc. Depending on the settings on your PBX, you may either have to dedicate one key each for activating and deactivating a given function or to dedicate one key for both activating and deactivating the function. Silent alarms or emergency calls. <p>If the standard behavior of this function key type does not meet your requirements, it is possible to customize it. Copy the standard XML configuration of the key from the Settings page of the phone's web user interface (WUI) and edit it to suit your needs. Then paste the edited XML into the "Number" text field and change the key's type to "Xml definition".</p>
Transfer to	<p>Transferring active calls and ringing incoming calls to the number set in the "Number" text field. Pressing the key once will transfer the active or ringing call.</p> <p>If the text field is empty, pressing the key will put the "Enter number" screen on the display. Enter the number and press  to complete the transfer.</p> <p>For further information, see "Transferring calls" on page 56.</p>
UserInputAnd SendSipInfo	<p>Send SIP INFO while call is connected. Message contains a "generic_value" header field with custom string. User will be prompted to input the custom string when key is pressed.</p>
Voice+Recorder	<p>The phone does not record the voice streams at all; they must be recorded on the PBX where a recording account must be set up. Pressing the key when the phone is idle will establish a connection between the phone and the recording account, making it possible to record spoken memos, meetings, or conferences. Pressing the key during a call will establish a three-party conference with the two phones and the recording account as participants. Please be advised that you must respect the legal restrictions of your country for recording calls with or without the participants' knowledge and permission.</p>
Xml Definition	<p>Copy the XML sub tag of the action(s) you want the key to perform into the text field.</p>

Key Events

ABS	Address book search (OCS accounts)
Accepted Calls	(Accepted List) List of calls accepted on the phone
Call Lists	Call history list (missed, received, dialed calls)
Conference	Starting a conference
Contacts	Contact List, where the Presence State of selected users can be seen (online, busy, offline)
Delete Message	Deletes a text message.
Deny All	This key event will deny the incoming call and add the number to the deny list. All phones with call screen settings can alternatively do this by long-pressing the cancel key.
Directory	Internal phone directory
DND	Turning "Do not disturb" function (DND) on an off. When mapped to a function key with an LED, the LED will light up when DND is turned on.
Favorites	Favorites list
Forward all	All incoming calls will be forwarded to another extension or an external phone number. After turning call forwarding on with this key, the display will prompt you to enter - or confirm/change a previously entered - forwarding number.
Help	Displays the URL of the phone's web interface and the URL to the VTech web page. The IP address, MAC address, and firmware version can be found in the phone menu: Settings > Information > System Information .
Hold	Placing the active call on hold.
Hold Private	Placing the active call on private hold.
Hoteling	Hoteling feature enables users (guests) within an office to use any cubicle phone (hosts) in the office by logging in to the host phone and having the host phone provisioned with guest's device profile settings.
LDAP Directory	Allows the user to look up a remote directory while dialing. Once set, this pressed key will open up the Directory Search window. If LDAP is setup, corresponding matching entries as returned by the sever will be shown. If LDAP is not used and presence_lookup_number setting is turned on, the contact matches will be shown. The default edit mode is alphanumeric in this state.
Logoff Identities	Caution: This option will delete all account settings!! Usage: Mainly useful for call centers with frequently changing users.
Menu	Calling up the settings menu of the phone
Missed Calls	Missed call history list
Monitor Calls	When the phone has been programmed to monitor extensions and do/allow call pickup, a key can be mapped to show the list of monitored extensions and do call pickup from the monitor. The list will show only active extensions (i.e., busy or ringing). When there is no activity on any monitored extensions, the list is empty.
Multicast Zones	Multicast paging zones.
Mute	Mutes/unmutes the microphone (handset, speakerphone, headset) during active call
Next Outgoing ID	Selecting the next identity as the outgoing identity

OCIP	Access the Broadsoft directory via the Open Client Interface-Provisioning (OCI-P) that allows third-party applications to perform all business functions performed by BroadWorks.
Presence State	Providing access to a list where the Presence state of each registered SIP Identity can be defined (online, offline, busy, invisible).
Prev. Outgoing ID	Selecting the previous identity as the outgoing identity
Reboot	Rebooting the phone
Record	The phone does not record the voice streams at all; they must be recorded on the PBX or other external device. Pressed during a call, the key informs the PBX to start and stop the recording of the audio stream on the PBX. Please be advised that you must respect the legal restrictions of your country for recording calls with or without the participants' knowledge and permission.
Redial	Dialed call history list (last call at the top).
Retrieve	Retrieves new mailbox messages. This key becomes active when the phone has received a message waiting indication (MWI) with a valid mailbox URI.
Ringer Silent	Turns the ringer off/on.
Server Directory	Provides access to an external phone directory.
Status Messages	Currently available status messages (see "Appendix 2 - Status Messages" on page 86).
Transfer	Transferring the active call or an incoming call that you do not want to pick up. See "Transferring calls" on page 56. Pressing the key will put the "Enter number" screen on the display. Enter the number and press  to complete the transfer.
Virtual Keys	Shows the virtual key screen.

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