USER'S MANUAL

VT9112

900MHZ CORDLESS TELEPHONE

VTECH

VTECH COMMUNICATIONS LTD.
Made in China   91-5044-11-00

IMPORTANT

BEFORE USING YOUR NEW PHONE, WE STRONGLY RECOMMEND YOU READ THIS MANUAL THOROUGHLY.

INTRODUCTION

THANK YOU FOR PURCHASING YOUR *VTECH* TELEPHONE. THE *VT9112* IS A 900MHZ CORDLESS PHONE, WITH THE ADDED CONVENIENCE OF A LIQUID CRYSTAL DISPLAY FOR CONVENIENT EXAMINATION OF PHONE NUMBERS.

FEATURES OF THE *VT9112*

* 900 MHZ, analog operation
* 10 channels, with manual channel change (**CHAN**) key on Handset
* 12 Digit **Liquid Crystal Display** on Handset
* Headset Capability (with *optional* 2.5mm headset)
* **Line In Use** indication on Handset Unit
* **Page / Handset Locator** function from Base Unit
* 20-bit Digital security coding between Handset and Base Unit to minimize the risk of another cordless phone accessing your phone line
* *10 number* **Memory Dialing** with One Touch access
* Predialing function of 20 digits
* Multiple Redialing (4 buffers x 20 digits)
* 4 Programmable Handset Ringer Types (plus Ringer OFF)
* 3-Step Selectable Handset Volume (HI - MID - LO)
* 3-Step Battery Detection Level shown by LCD **icons**
* Maximum battery life is **7 hours** of continuous talk or **7 days** of standby on a full charge
* Handset *Easy Answer* feature
* *Temporary Tone* dialing
* Flash Function
* Hearing Aid Compatibility
* Spare battery charging Compatibility
* Wall-mount Compatibility

While you are charging your **VT9112** for the first time, please read this *Instruction Manual*. By being familiar with its operation and features, you will derive the maximum benefit from your new telephone.

INTRODUCTION

Parts Check List:
1. Handset
2. Base Unit
3. Telephone line cord(clear tip)
4. AC adapter
5. Battery Pack
6. Wall mount bracket
7. Belt clip

HANDSET   BASE UNIT

TELEPHONE LINE CORD   AC ADAPTER

BATTERY PACK   WALL MOUNT BRACKET   BELT

IMPORTANT SAFETY INSTRUCTIONS

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water (for example, near a bath tub, kitchen sink, or swimming pool).
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in-installation where proper ventilation is not provided.
7. 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 supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product,but take it to a qualified serviceman when some service or repair work is required. Opening or removing cabinet parts other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the appliance is subsequently used. In addition, attempting to service the unit yourself may void your warranty.
11. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power supply cord or plug is damaged or frayed.
    b) If liquid has been spilled into 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 operating instructions because improper adjustment of other controls may result in damage and will often require extensive work to restore the product to normal operation.
    e) If the product has been dropped and the cabinet has been damaged.
    f) If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lighting.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

REPLACING THE HANDSET BATTERIES

1. Remove the battery cover by pressing on the ridged lines and sliding downward.

2. Discard the old battery pack. Don't put the old battery pack in a trash compactor or a fire - it could burst.

IMPORTANT: Do not dispose of this battery in household garbage. For information on recycling or proper disposal, consult your local solid waste collection or disposal organization.

3. Place the new battery pack in the battery compartment. Make sure the metal contacts on the underside of the battery are aligned with charging contacts in battery compartment.

4. Replace the battery cover by sliding it into place.

5. The new battery pack must be charged before using your telephone. Place the handset in the cradle of the base unit to allow it to charge for 24 hours. Maximum battery life between charges is more than 7 hours of continuous talk time or 7 days of standby.

A WORD ABOUT RECHARGEABLE BATTERIES

1. Your NiCad battery pack recharges whenever the Handset is returned to the Base Unit.

2. To maximize the life of your battery pack, do not return your *VT9112* Handset to the Base Unit cradle for recharging until the LCD indicates LOW BATTERY LEVEL.

CAUTION: To reduce the Risk of Fire or Injury to Persons, Read and Follow these instructions:

1. Use only VTECH battery.

2. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.

3. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

4. Do not dispose of the battery in a fire. The cell may explode.

SPARE BATTERY CHARGING

1. Spare Battery Compartment is provided in the Base Unit for charging spare battery.

2. Open the compartment door and place the spare battery pack into the compartment.

3. Make sure the metal contacts on the underside of the battery are aligned with charging contacts in the battery compartment.

4. Then, close the battery cover tightly.

AC ELECTRICAL OUTLET

TELEPHONE WALL JACK
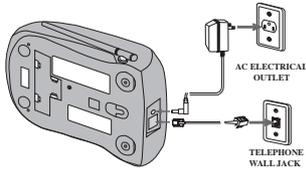
Setting Up Your VT 9112
1. Choose an area near an electrical outlet and a telephone wall jack.
2. Connect the telephone line cord. Insert one end of the telephone line cord into the jack at the rear of the base unit. Plug the other end into a telephone wall jack. Make sure the plugs snap securely into place.
3. Plug the AC power adapter into an electrical outlet and the DC connector to the back of the base unit.
CAUTION: Use only the AC adapter shipped with your VT 9112. This is a Class 2 AC adapter, specifically designed for use with the VT 9112
NOTE: Connect power to the base unit before placing the handset in the cradle.
4. Set the **VOLUME** switch to HIGH, MID or LOW on the Handset Unit.
5. **CHARGE THE HANDSET BATTERIES BEFORE USE.** The battery pack recharges automatically whenever the handset is in the base unit cradle. The battery pack should be charged for 24 hours before using your phone for the first time.

6. The original dialling mode is set to **TONE**. If you have tone dialling, retain the setting as **TONE**. If you have only rotary service on your phone line, you may refer to "HOW TO SET TONE/PULSE DIALLING" section to set your phone to **PULSE** mode.
7. **CHECK FOR A DIAL TONE.** After the battery pack is charged, raise the Base Unit Antenna to an upright position. Then, pick up the Handset and press **PHONE** key. The IN USE LED (on the Base Unit) and PHONE key (on the Handset) will light up, and you should hear a dial tone. If not, see

IN CASE OF DIFFICULTY.
CAUTION:
1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

5

The Wall Mount adaptor is designed to fit on standard Wall Mount plates. If you are using such a plate, you should start with

Step #2 below.
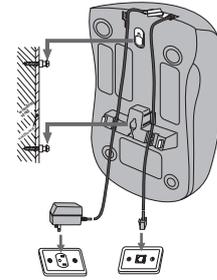
1. **Choose a spot near an electrical outlet and a telephone jack.** Your phone requires a modular telephone jack and a standard electrical outlet (120V AC). The power cord is six feet long; make sure there is an electrical outlet within reach of the base. The outlet should not be controlled by a wall switch. If the switch is ever turned off, the phone will not operate.

2. **Position the wall mount adapter on the base.** Line up the tabs on the wall mount adapter with the holes on the bottom of the base. Snap the wall mount adapter firmly in place.

3. **Mount the base on the wall.** Position the base so the mounting studs will fit into the holes on the bottom of the base. Position the power cord to extend down the wall the phone is to be mounted on. Slide the base down on the mounting studs until it locks into place.

4. **Connect the telephone cord.** The telephone line cord has a snap-in plug at each end. Insert one of the plugs into the jack on the bottom of the base. Insert the other end of the plug into the wall jack.

5. **Connect the power cord.** Plug the DC connector into the DC jack at the rear of the base unit. Plug the AC power adapter into an electrical outlet.

6

LCD DISPLAY
VOLUME SWITCH
PHONE KEY
OFF KEY
CHAN/CLEAR KEY
TONE/●KEY
MEM/STORE KEY
PROG/MENU KEY
REDIAL/PAUSE KEY

HANDSET INDICATORS

LCD	Description
CHAN 3	CHANNEL INDICATION (channel = 3)
MEM 5	MEMORY INDICATION (memory no. 5)
-STORED-	PROGRAM STORED INDICATION
-LINE USED-	LINE-IN-USE INDICATION
SET DIAL	Set Tone / Pulse Mode
8ELL 2	RINGER TYPE INDICATION (ringer type is 2)
8ELL OFF	RINGER TYPE INDICATION (ringer is off)
0-00-01	CALL TIMER (at 0hr 0min 1sec)
6-59-59	CALL TIMER (at 6hr 59min 59sec)
123p5678	Phone number indication (where P= pause)
CALL TIME	CALL TIMER IS ACTIVE
TONE	TONE DIAL MODE
PULSE	PULSE DIAL MODE
	BATTERY LEVEL INDICATOR(Full)
	BATTERY LEVEL INDICATOR(Normal)
	BATTERY LEVEL INDICATOR(Low)

7

FUNCTION KEYS

Keys	Description
PHONE	To get dial tone when handset in standby mode. To perform flash operation when handset is in Talk mode
OFF	To hang up a line, or quit a program
Number Keys	For telephone number dialing, programming,etc. (1~9, 0, #)
*(Tone)	To change the dialing mode temporarily from pulse to tone during a call.
CHAN/CLEAR	To change the channel during a call.
REDIAL/PAUSE	To redial the last number dialed. To add a 2-second pause during telephone number programming.
PROG/MENU	To enter program mode; -Speed dial memory - Ringer type - Tone/Pulse mode
MEM/STORE	To save and exit programming mode. To enter memory dialing mode.
Volume Switch	To select the handset volume High,Mid or Low.

8

SPARE BATT LED
CHARGING LED
IN USE LED
POWER LED
PAGE KEY

BASE INDICATORS

LED	LED status	Description
POWER	ON	AC POWER is present
IN USE	ON	Phone in use
	Flash	Ringing (incoming call is present.)
CHARGING	ON	Handset is on cradle for charging.
	FLASH	No battery
SPARE BATT	ON	Spare battery is present and being charged.

FUNCTION KEYS

Button	Description
PAGE	To page the handset.

HOW TO SET TONE/PULSE DIALING

* Press **PROG** for 3 times on handset. Observe that the LCD displays:
   TONE or *PULSE* icon and a
   SET DIAL prompt.

* Press 1 to select TONE or 2 to select PULSE. Then press **MEM** to save the mode setting. Press **OFF** to discard change.

9

MAKING CALLS

You can make calls by two ways:
   -- By Live Dialing *or*
   -- By Pre-Dialing
1. *LIVE DIALING:*
* From the Handset, press **PHONE** key.
* The **PHONE** key will light up to indicate the line is in use.
* After listening for a dial tone, dial the phone number. The number you dial will also be displayed on the LCD.
* To end your call, either return the Handset to the Base Unit cradle, or press the **OFF** key on the Handset.

2. *PREDIALING:*
* Key the telephone number you intend to dial on your Handset.
* Observe that the number you dial is displayed on the LCD. If you dial an incorrect digit, you may press CLEAR to delete it and then press again
* Press **PHONE** key. The **PHONE** key will light up to indicate the line is in use.
* The phone will automatically dial the telephone number you PRE-dialled.
* To end your call, either return the Handset to the Base Unit cradle, or press the **OFF** key on the Handset.

ANSWERING CALLS

When an incoming call is ringing, the **IN USE** LED on the base and **PHONE** LED on the handset will flash. To make sure your phone rings when the handset is away from the base, please keep the base antenna in the upright position. Then you may answer calls as follows:

1. *From the Handset:*
   When the handset is in the base, just pick up the handset.
2. *Easy Answer:*
   When the Handset is in *Standby* mode and away from the Base Unit, just press any key except OFF key. This will aid you in answering calls in a dark environment.

DISCONNECTING CALLS

Press **OFF**, or return the Handset to the Base Unit cradle to end your call.

LINE IN USE

* When the telephone line is engaged by a parallel telephone, the LCD will show the following message :
   -LINE USED-
* You may decide to join the telephone conversation by pressing **PHONE**, or make a call later.

PAGE/HANDSET LOCATOR

From the Base Unit, press the **PAGE** key. The Handset will ring for approximately 15 seconds. During this time, the Handset user can:
   Press **OFF** to terminate the ringing *or* Ignore the Page from the Base Unit.

   Since it will ring for approximately 15 seconds when **PAGE** is pressed on the Base Unit, this feature can be helpful in locating a misplaced Handset.

10

SETTING HANDSET VOLUME

Set the Handset volume switch to High, Mid or Low , depending on your preference.
The Volume switch is located on the left-hand edge of the handset (with the keypad facing towards you, and the antenna pointing up).

CHANGING CHANNELS

If you notice interference when using your handset, press **CHAN** key to switch to a clear channel.   This function is only available when you are on a call.

TEMPORARY TONE

If you have a rotary (dial-pulse) telephone service, and your telephone is set to PULSE mode, this feature allows you to enter special codes and tones to operate answering machines, use electronic banking services, calling cards, or other special services.

* First, dial the call normally.
* Then, activate the **Temporary Tone** feature by pressing **TONE** (the * key). You can then press the numbers or symbols you need, and your phone will send the signals by tone dialling.
* To end the call, press **OFF** or place the handset back on the base. The phone will automatically go back to PULSE mode.

ADVANCED OPERATIONS

RINGER PROGRAMMING

You can select from **4** different Handset ringer types. You can also program the ringer OFF.

Programming The Ringer Type
(To program, the Handset must be OFF)
* Press **PROG** TWICE, the LCD will indicate the current ringer type, e.g. **BELL 1** (for ringer type 1).
* Press a key **1,2,3** or **4** to select a ringer type.

* Press **MEM** to save the new setting, or press **OFF** to discard changes.

Turning Off The Handset Ringer
(To program, the Handset must be OFF)
* Press **PROG** TWICE, the LCD will indicate the current ringer type.
* Press **0** to turn off the ringer
* Press **MEM** to save the new setting, or press **OFF** to discard changes.
* To turn the ringer on again, see **Programming The Ringer Type**

MULTIPLE REDIALING

VT9112 contains a history of 4 previous telephone numbers dialed from the phone.
To redial one of these telephone numbers:
1. Before pressing **PHONE**, press **REDIAL/ PAUSE** key, the last telephone number dialed is retrieved.
2. Press **REDIAL/PAUSE** more times, the second, third, and fourth redial telephone numbers can be retrieved.
3. If **REDIAL/PAUSE** is pressed for 5 times, the first redial number will be shown again.
4. Check if one of these numbers is appropriate. Press **PHONE** to dial out this telephone number. Or press **OFF** to quit this function.

MEMORY (SPEED) DIAL

Up to **10** frequently dialed phone numbers can be programmed into your *VT9112* Speed Dial Memory. Each phone number can contain a maximum of **20** digits.

Programming a Speed Dial Number

To program a phone number into memory, the Handset must be OFF.
* Press **PROG**. The LCD will show *MEM_* to prompt you to enter the number of memory location.
* Press the number of the memory location you wish to store the number (**0 – 9**).
* Dial the number you want to store. The number may be up to 20 digits long. The number can be entered manually or by using **REDIAL**.
* Press **MEM** to save the phone number or press OFF to discard the change and exit the program.

Replacing a Speed Dial Number

If you want to replace a speed dial number, simply follow the above steps. Your new speed dial number will replace the previous one in that memory location.

Clearing a Speed Dial Number

If you want to clear a speed dial number, simply follow the above steps, but press **MEM** without entering any number.

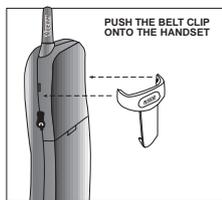### Storing A Pause In A Speed Dial Number

To insert a pause in a phone number, just press **REDIAL/PAUSE** key between any two digits you want to insert the pause. The LCD will display the telephone number with digit '**P**' between the digits. This indicates an additional 2-second pause being added between the digits when the line is connected and the phone number is dialed.

For example:

If your phone is connected to a PBX, you can store the PBX access number and PAUSE before the phone number. For example, to store *9-PAUSE-555-1234* in *memory location 8*, do the following:

1. Press **PROG**
2. Press **8** (memory location)
3. Press **9**
4. Press **REDIAL/PAUSE** key
5. Enter **555-1234** (LCD now shows "9P5551234")
6. Press **MEM**

Speed Number Dialing

* **For Live Dialing**
1. Press **PHONE** to get a dial tone.
2. Press **MEM** and the memory location number key (**0-9**) to dial the corresponding speed dial number.

* **For Predialing**
1. Press **MEM** and the memory location number key (**0-9**) to retrieve the corresponding speed dial number.
2. Check its correctness and append any digit to it if necessary.
3. Press **PHONE** to dial the phone number.

One-Touch Speed Dialing

If you are sure a memory location number (**0-9**) contains the telephone number you want to dial, just press and hold this number key for 2 seconds. Your phone will automatically connect the line and dial out this telephone number.

Your *VT9112* cordless telephone is equipped with a 2.5mm Headset Jack for use with an **optional** accessory Headset for hands-free operation.

If you choose to use the Headset option, you must do the following:

INSTALLATION

* Obtain an optional accessory Headset, *which is compatible* with the *VT9112.*

Please contact **VTECH Communications Customer Service**, in the U.S. toll-free at **1-800-595-9511**,in the Canada call **1-800-267-7377** for dealer information in your local area. You can also purchase a compatible Headset directly from VTECH Communications Customer Service.

* Once you have a compatible 2.5mm Headset, locate the Headset Jack on the Handset of your *VT9112*. Connect the plug on the Headset to the jack on the cordless Handset. The plug should fit securely. Do not force the connection. See illustration.

HANDSET JACK LOCATION AND CONNECTION WITH PLUG.

* The *VT9112* is also equipped with a detachable belt clip. Align the pins on the inside edge of the belt clip with the notches on the side of the *VT9112* handset. The belt clip should snap securely into place. Do not force the connection. See Illustration

PUSH THE BELT CLIP ONTO THE HANDSET

OPERATION

* NOTE: Whenever a compatible Headset is connected to the cordless Handset, the microphone on the Handset will be MUTED. This is done to limit the effect of background noise.

* The following operational characteristics apply to VTECH Headsets. the same may also apply to other (non-VTECH) compatible headsets, but VTECH assumes no responsibility for their performance.
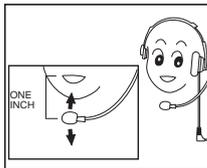
* The VTECH brand compatible Headset has a monaural design which is reversible, so you can wear your Headset on either the left or right ear, leaving one ear free for room conversation.

* The headband can be adjusted to fit the contour of your head. Using both hands, slide the headband up or down so that it rests comfortably on your head with the speaker cushion centered against your ear.

ON RIGHT EAR   ON LEFT EAR
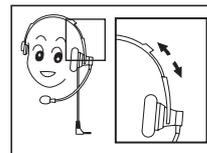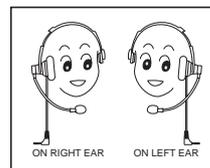
* For maximum sound quality, the flexible microphone should be positioned at the corner of your mouth, about one inch from your mouth.

ONE INCH

TAKING CARE OF YOUR TELEPHONE.
Your *VTECH 9112* cordless telephone contains sophisticated electronic parts so it must be treated with care.

Avoid rough treatment
Place the handset down gently. Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid Water
Your telephone can be damaged if it gets wet. Do not use the handset outdoors in the rain, or handle it with wet hands. Do not install your base unit near a sink, bathtub or shower.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If your base unit should fall into water, *DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORDS FROM THE WALL.* Then pull the unit out by the unplugged cords.

Electrical Storms
Electrical storms can sometimes cause power surges harmful to electronic equipment.
For your own safety, use caution when using electric appliances during storms.

Cleaning your telephone
Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap. Do not use excess water or cleaning solvents of any kind.

AUTOMATIC SECURITY CODING

Your *VT9112* phone is factory set with one of 1,048,576 possible security codes. This unique security code allows your handset and base to recognize each other, and minimizes the possibility of another cordless phone using your telephone line. The security code will be kept even in case of power failure or handset battery being disconnected.

If you have difficulty operating your phone, the suggestions below should solve the problem. If you still have difficulty after trying these suggestions,
In the US call:

VTECH Communications at **1-800-595-9511**.

In the Canada call:

VTECH Electronics at **1-800-267-7377**.

THE PHONE DOESN'T WORK AT ALL.
* Make sure the power cord is plugged in.
* Make sure the telephone line cord is plugged firmly into the base unit and the telephone wall jack.
* Make sure the handset battery is installed. If the base CHARGING LED flashes when handset is put onto the base, then handset battery may not be inserted well.
* Make sure the batteries are properly charged. If the handset make two beeps, or the **BATTERY LEVEL INDICATOR** shows LOW BATTERY LEVEL, the battery needs charging. If **IN USE** indicator at base or **PHONE** indicator at handset do **not** light when you press **PHONE button**, you must charge the batteries.
* If you recently installed a new battery pack, make sure it is installed correctly.

Follow the procedure below:
1. Remove battery from handset.
2. Replace battery in handset.
3. Place the handset in the charge cradle. Wait 60 seconds.

Pick up the handset and press **PHONE**.

NO DIAL TONE.
* First check all the suggestions above.
* If you still don't hear a dial tone, disconnect the base unit from the telephone jack and connect a different phone. If there is no dial tone on that phone either, the problem is in your wiring or local service. Call your local telephone company.

YOU GET NOISE, STATIC, OR A WEAK SIGNAL WHEN YOU'RE NEAR THE BASE UNIT.
* Place the handset in the base momentarily to reset the security code. Then press **PHONE** to get a line.
Household appliances plugged into the same circuit as the base unit can sometimes cause interference. Try moving the appliance or the base unit to another outlet.

YOU GET NOISE, STATIC, OR A WEAK SIGNAL WHEN YOU'RE AWAY FROM THE BASE UNIT.
* You may be out of range. Either move close to the base, or relocate the base unit.
* The layout of your home may be limiting the range. Try moving the base unit to the second or third floor.

THE HANDSET DOES NOT RING WHEN YOU RECEIVE A CALL.
* Make sure your handset ringer is turned on.

IN CASE OF DIFFICULTY

* Make sure the telephone line cord is plugged firmly into the base unit and the telephone jack. Make sure the power cord is plugged in.

* You may be too far from the base unit.

* You may have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of the other phones

YOUR CALLER FADES IN AND OUT.
You may be nearly out of range. Move closer, or relocate the base.

YOU HEAR OTHER CALLS WHILE USING YOUR PHONE.

* Replace the handset in the base cradle, wait a few moments and try again.

* Disconnect your base unit from the telephone jack, and plug in a regular telephone. If you still hear other calls, the problem is probably in your wiring or local service. Call your local telephone company.
.
YOU HEAR NOISE IN THE HANDSET, AND NONE OF THE KEYS OR BUTTONS WORK.

* Make sure the power cord is plugged in.

* Your base unit and handset may not be operating on the same channel. Place the handset in the cradle for a few moments to reset the channel.

COMMON CURE FOR ELECTRONIC EQUIPMENT

Electronics, like people, can sometimes get confused. If the unit does not seem to be responding normally, then try putting the handset in the cradle to re-initialize the unit. If it still does not seem to respond after doing this a few times, do the following (in the order listed):

1. Disconnect the power to the base.
2. Disconnect the handset battery.
3. Wait a few minutes.
4. Connect power to the base.
5. Connect the handset battery.
6. Put the handset in the base to re-initialize.

17

WARRANTY STATEMENT

WHAT DOES OUR WARRANTY COVER?
* Any defect in material or workmanship.
FOR HOW LONG AFTER THE ORIGINAL PURCHASE?
* To the original purchaser only - ONE YEAR.
WHAT WILL VTECH DO?
* At our option, repair or replace your unit.
HOW DO I SEND MY UNIT, IN OR OUT OF WARRANTY?
* In the U.S. Call VTECH Communications customer service for Return Authorization at:
    1-800-595-9511
    in Canada call VTech Electronics at
    1-800-267-7377
* Properly pack your unit. Include any cables & accessories which were originally provided with the product. We recommend using the original carton and packing materials.
* Include in the package a copy of the sales receipt or other evidence of date of original purchase (if the unit was purchased within the last twelve months).
* Print your name and address, along with a description of the defect, and include this in the package.
* Include payment for any service or repair not covered by warranty, as determined by VTECH Communications.
* In U.S. ship the unit via UPS Insured, or equivalent to:
    VTECH COMMUNICATIONS
    8770 SW NIMBUS AVENUE
    BEAVERTON, OREGON 97008

    In Canada ship to :

    VTECH ELECTRINICS
    200-7671 ALDERBRIDGE WAY
    RICHMOND, B.C. V6X 1Z9

VTECH Communications assumes no responsibility for units sent without prior Return Authorization.

WHAT DOES OUR WARRANTY NOT COVER?
* Batteries
* Damage from misuse, neglect, or acts of nature (lightning, floods, power surges, etc.)
* Products which may have been modified or incorporated into other products
* Products purchased and/or operated outside the USA, its territories, or Canada.
* Products serviced by the owner or a service facility not expressly authorized by VTECH Communications
* Products purchased more than 12 months from current date
* Units purchased in "AS IS" condition, or units purchased as "Distressed Merchandise".
HOW DOES STATE LAW AND PROVINCIAL LAW RELATE TO THIS WARRANTY?
* This warranty gives you specific rights. You may also have other rights which vary from state to state or from province to province.

18

TECHNICAL SPECIFICATIONS

FREQUENCY CONTROL
Crystal Controlled Dual PLL Synthesizer

TRANSMIT FREQUENCY
Handset: 925.05 MHz to 927.75 MHz (All ten channels within this range)

Base: 902.3 MHz to 905.0 MHz (All ten channels within this range)

RECEIVE FREQUENCY
Handset: 902.3 MHz to 905.0 MHz (All ten channels within this range)

Base: 925.05 MHz to 927.75 MHz (All ten channels within this range)

NOMINAL EFFECTIVE RANGE
Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use.

SIZE
Handset: 17.5cm x 5.5cm x 4.5cm (L x W x T) maximum (antenna excluded)

Base: 20.3cm x15.2cm x 6.0cm (L x W x T) maximum (antenna excluded)

WEIGHT
Handset: 160 grams (excluding battery); 240 grams (including battery)

Base: 320 grams

POWER REQUIREMENTS
Handset: Self-contained nickel-cadmium rechargeable battery supply, 3.6V nominal, 600mAh capacity.

Power Adaptor: 9VDC @ 300mA

SPECIFICATIONS ARE TYPICAL AND MAY CHANGE WITHOUT NOTICE

19

FCC AND IC REGULATIONS

This equipment complies with Parts 15 and 68 of the Federal Communications Commission (FCC) rules for the United States. It also complies with regulations RSS-210 and CS-03 of Industry Canada (IC).

A label is located on the underside of the base unit containing either the FCC registration number and Ringer Equivalence Number (REN) or the IC registration number and Load Number (LN). You must, upon request, provide this information to your local telephone company.

This equipment is compatible with inductively coupled hearing aids.

Should you experience trouble with this telephone equipment, please contact:

In the United States:
VTECH COMMUNICATIONS
1-800-595-9511
In Canada:
VTECH ELECTRONICS
1-800-267-7377

for repair/warranty information. The telephone company may ask you to disconnect this equipment from the line network until the problem has been corrected.

Your **VTECH VT9112** is designed to operate at the maximum power allowed by the FCC and IC. This means your handset and base unit can communicate only over a certain distance - which will depend on the location of the base unit and handset, weather, and the construction and layout of your home or office.

FCC Part 15

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

The equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

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

20

FCC AND IC REGULATIONS

FCC Part 68
The FCC requires that you connect your cordless telephone to the nationwide telephone network through a modular telephone jack (USOC RJ11C or RJ11W).

Your telephone company may discontinue your service if your equipment causes harm to the telephone network. They will notify you in advance of disconnection, if possible. During notification, you will be informed of your right to file a complaint with the FCC.

Occasionally, your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the operation of your equipment. If so, you will be given advance notice of the change to give you an opportunity to maintain uninterrupted service.

The base unit contains no user serviceable parts. The handset contains a user replaceable battery pack.

If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC. For repair procedures, follow the instructions outlined under the VTECH Limited Warranty.

This equipment may not be used on coin service lines provided by the phone company or on party lines.

The REN is useful in determining the number of devices you may connect to your telephone line and still enable the devices to ring when you receive a call. The general rule is that the REN value should not exceed 5.0 total; however, contact your local telephone company for the specific number in your area.

IC (Industry Canada)

This telephone is registered for use in Canada.

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network, protective, operational and safety requirements. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using anacceptable method of connections. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

21

FCC AND IC REGULATIONS

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact appropriate electric inspection authority, or electrician, as appropriate.

The Load Number (LN) assigned to this device denotes the percentage of the total load to be connected to a telephone loop which is used by the device to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the load numbers of all devices does not exceed 100.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

22