AMERIPHONE®

DIALOGUE VCO

The "Read and Talk" Telephone

Operating Instructions

Important Safety Instructions

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

1. Read and understand all instructions. Observe all warnings and other markings on the product.
2. During thunderstorms, avoid using telephones except cordless models. There may be a slight chance of electric shock from lightning.
3. Do not use a telephone near a gas leak. If you suspect a gas leak, report it immediately, but use a telephone away from the area where gas is leaking.
4. Do not use this product near water, or when you are wet. For example, do not use it in a wet basement or shower, or next to a swimming pool, bathtub, kitchen sink or laundry tub. Do not use liquids or aerosol sprays for cleaning. If the product comes in contact with any liquids, unplug any phone line or power cord immediately. Do not plug the product back in until it has dried thoroughly.
5. Install this product in a protected location where no one can trip over any phone line or power cord. Protect cords from damage or abrasion.
6. If this product does not operate normally, review the "Troubleshooting" section. If you cannot resolve the problem, or if the product is damaged, refer to the Ameriphone Warranty. Do not open this product except as may be directed in this owner's manual. Opening this product or reassembling it incorrectly may expose you to hazardous voltages or other risks. Opening this product automatically voids the warranty.
7. If this product uses batteries as power back-up during power outages, replace batteries only as described in this owner's manual. Do not burn or puncture used batteries — they contain caustic chemicals.
8. 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 on 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 further damage.
   E. If the product has been dropped or appears damaged.
   F. If the product exhibits a distinct change in performance.

9. If this product has a polarized plug with one wide prong, it may not fit in non-polarized outlets. Do not defeat the purpose of these plugs. If they do not fit in your outlet, the outlet should be replaced by an electrician.

ADDITIONAL SAFETY NOTES FOR CANADIAN USERS

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

Before installing the 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 an acceptable method of connection. 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 alteration made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

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 the appropriate electric inspection authority, or electrician, as soon as possible.

NOTICE: The LOAD NUMBER (LN) assigned to each terminal 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 sum of the load numbers of all devices does not exceed 100.

SAVE THESE INSTRUCTIONS

Contents

Thank you for selecting the amplified telephone Dialogue VCO from Ameriphone. These Operating Instructions and the associated Quick Operating Guide provide you with the information you need to use your Dialogue VCO effectively and safely. Read this manual thoroughly before using your telephone. Keep the manual near the telephone for easy reference.

Warranty Service

Your telephone is designed to provide years of quality service. But, should the phone malfunction and the Trouble-shooting Chart on page 20 not resolve the problem, follow the Warranty procedure on page 22.

Sales Receipt

Be sure to save your sales receipt as proof of purchase date should you need warranty service.

Help from Ameriphone

For help with using your Dialogue VCO, call our Customer Relations department at 714-897-0808.

Please make sure your Dialogue VCO package includes the items shown in Figure 1.
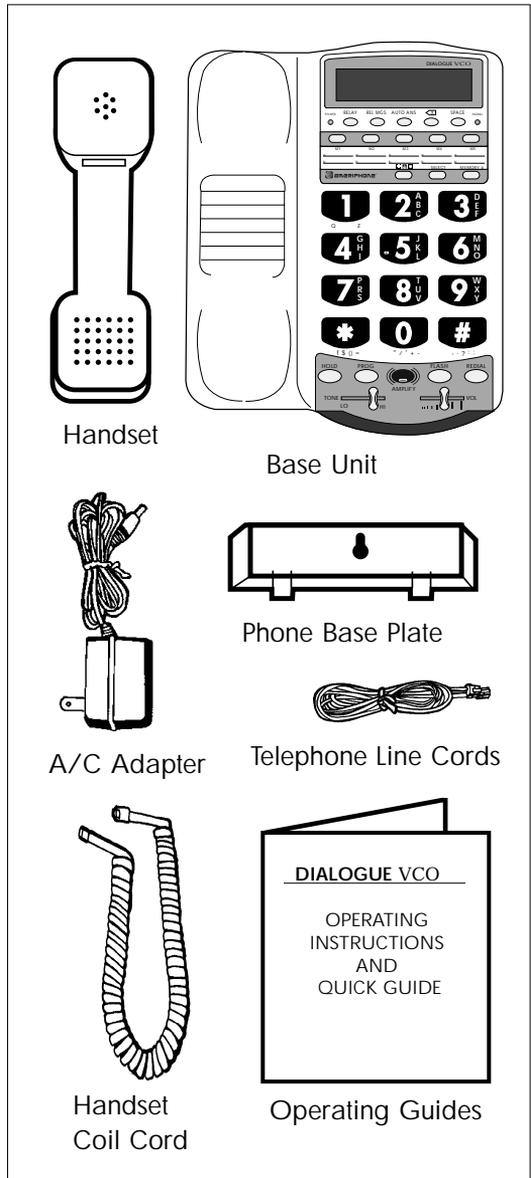

Handset

Base Unit

Phone Base Plate

A/C Adapter

Telephone Line Cords

Handset Coil Cord

DIALOGUE VCO

OPERATING INSTRUCTIONS AND QUICK GUIDE

Operating Guides

Figure 1 - Package Components

- **RINGER** volume switch
- **AUDIO OUTPUT** jack
- A/C adapter and phone line connection
- **TONE/PULSE** switch
- AC Power indicator
- **RELAY** button
- **RELAY MESSAGE** button
- **AUTO ANSWER** button
- LCD display screen
- Signal indicator light
- **MEMORY** button
- **MEMORY b** button
- **SELECT** button
- **EMERGENCY** button
- **REDIAL** button
- **FLASH** button
- **VOL** volume slider
- **HOLD** button
- **TONE** slider
- **RING** flasher
- **AMPLIFY** button
- **AMPLIFY** indicator
- **PROG** program button
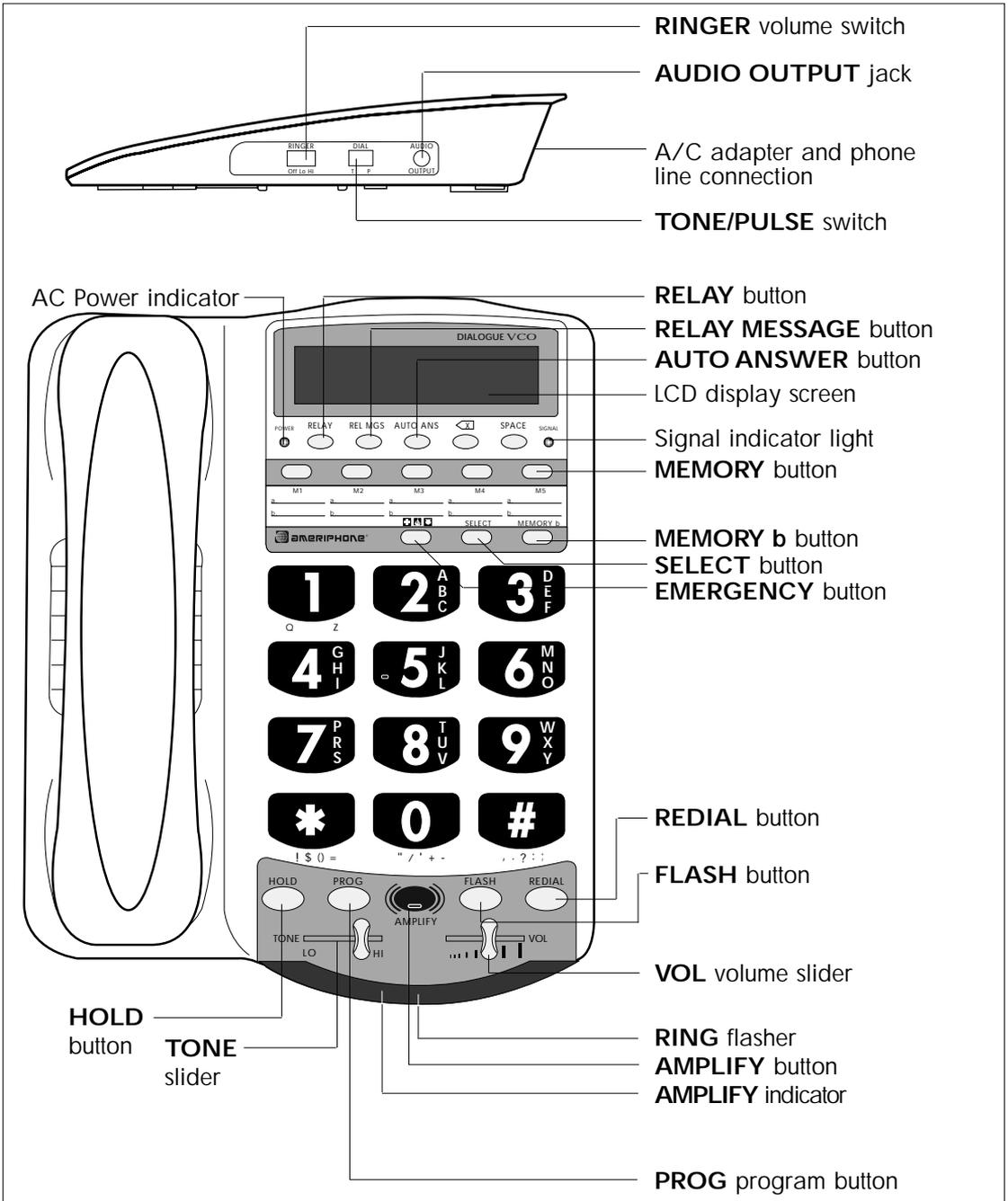
Figure 2 - Base Unit Controls

3

There are three steps involved in setting up your Dialogue VCO.

- Insert four AA rechargeable NiCad batteries for back-up in case of AC power outage.
- Decide if you want the phone to sit on a desk or hang on the wall.
- Connect the telephone components.

Installing the Backup Batteries

If there is a power outage, the Dialogue VCO will operate for 4 - 8 hours with four AA rechargeable NiCad batteries (not included). If the phone is not in use, the batteries will stay charged for several months.
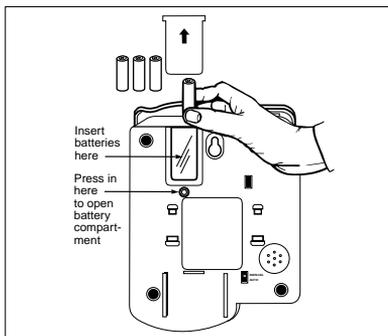

Figure 3 - Accessing the Batteries

To Install New Batteries:

1. Slide open the battery compartment cover on the bottom of the telephone (Figure 3).

2. Install four fresh AA rechargeable NiCad batteries. Be sure to observe battery polarity as imprinted on the base of the compartment.

Connecting for Desk or Wall Mount

Set the dial mode switch to **T** (tone) if you have touch tone service. Set the switch to **P** (pulse) if you have rotary dialing.

Desktop Use:

1. Connect the telephone line cord and the handset cord to the telephone as shown in Figure 4.

2. Plug the AC adapter into an electric outlet and into the telephone as shown in Figure 4.
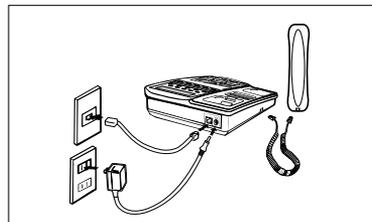

Figure 4 - Connecting the Components

3. Lift the handset and listen for a dial tone.

The phone is ready to use.

Wall Mount:

1. Pull the handset hook out as shown in Figure 5 and reverse its position so that the hook points up and will hold the handset when you hang up.
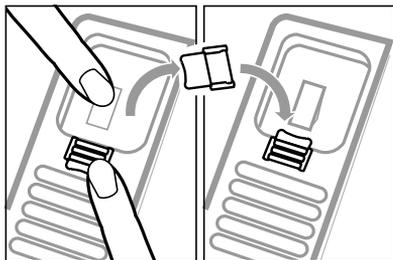

Figure 5 - Reversing the Hook

2. Insert the tabs of the phone base into the slots in the lower position of the base as shown in Figure 6. Push the phone base in and down firmly until it snaps into place.
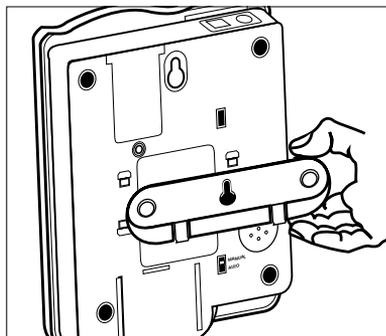

Figure 6 - Phone Base Installation for Wall Mounting

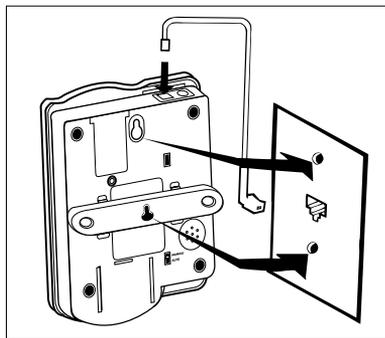3. Plug in the short phone line cord and mount the phone as shown in Figure 7.

Figure 7 - Wall mounting installation

4. See Desktop Use section and follow steps 1 through 3.

Incoming Voice Volume

1. Press the **AMPLIFY** button as shown in Figure 8 to turn the incoming voice amplifier on or off. When **AMPLIFY** is on, the **AMPLIFY** indicator comes on.
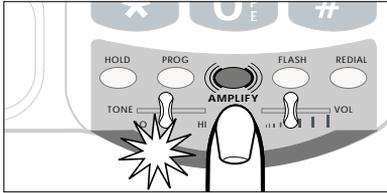

Figure 8 - AMPLIFY Button and Indicator

2. Adjust the volume in the handset by moving the **VOL** slide control in Figure 9. With **AMPLIFY** on, incoming volume will be up to 30 dB louder.
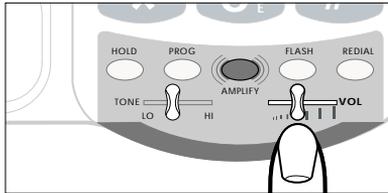

Figure 9 - Volume Slide Control

Incoming Voice Tone

The Dialogue VCO provides extra amplification at the level of sound frequency you need to boost. To identify the sound frequency range that best suits your needs, follow these steps:

1. When you hear a voice on the line, press the **AMPLIFY** button as shown in Figure 8.

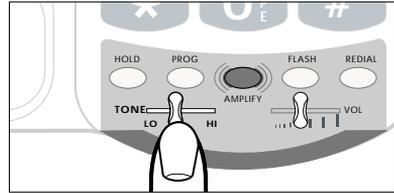2. Adjust the **TONE** slide control as in Figure 10 to suit your hearing.

Figure 10 - Tone Slide Control

Ringer Volume

1. You can adjust the **RINGER VOLUME** as high as 95+ dB. The settings available are **OFF**, **LO** and **HI** as shown in Figure 11.
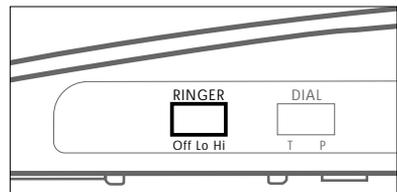

Figure 11 - Ringer Volume

Hold

To put the line on hold, press the **HOLD** button and return the handset to its cradle. In telephone mode, the screen shows "CALL-ON HOLD & MUTE". In text mode, it shows and transmits the message "PLS HOLD…". **Note:** If you pick up an extension phone on the same line when the Dialogue VCO is on **HOLD**, the Dialogue VCO will disconnect and you can continue your conversation on the extension phone. If you do not pick up the phone at another extension in 3 minutes, the phone will disconnect.
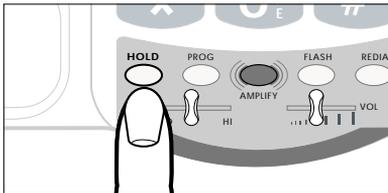

Figure 12 - Hold Button

Last Number Redial

To redial the last number dialed with the Dialogue VCO phone, lift the handset and press **REDIAL.** The phone will redial up to 31 digits.
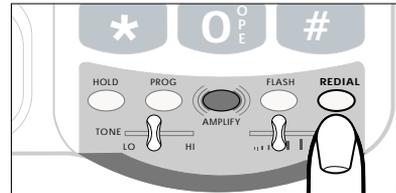

Figure 13 - Redial Button

Flash

Press the FLASH button as displayed in Figure 14 to access the special services available from your local phone company such as Call Waiting and 3-Way Calling.
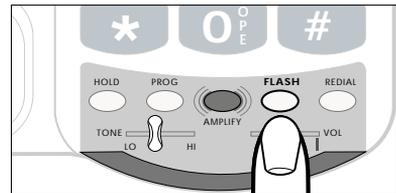

Figure 14 - Flash Button

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Special Features

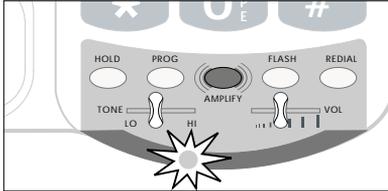## Unanswered Call Indicator

Figure 15 - Unanswered Call Indicator

If an incoming call is not answered by a person after 4 rings, the unanswered call indicator will flash. The light will continue to flash until the handset is lifted or AC power is disconnected. This feature does not require any optional telephone company services. It is useful if you were away for a short time while expecting a call. To cancel this feature, unplug the AC adapter and remove all batteries. Press the **HOLD** button while reconnecting the AC adapter, and then re-install batteries. Repeat this procedure to enable this feature again.

Programming the Relay Service Number
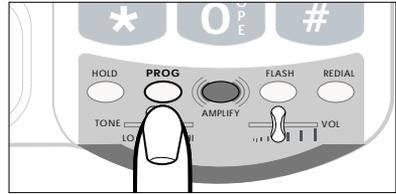
1. Lift handset and press **PROG** button.

Figure 16 - PROG Button

2. Enter the phone number on the keypad.

Figure 17 - Telephone Keypad

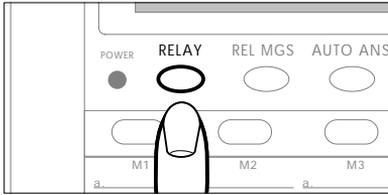3. Push **RELAY** button to store the number. Hang up immediately.

Figure 18 - RELAY Button

Programming Emergency Calling Message/Your Home Phone Number and Long Distance Carrier

To Program:

1. Lift handset and press PROG button and then ⊞🔥⊡ button.

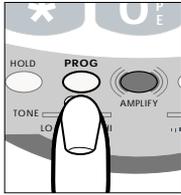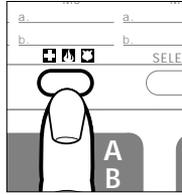Figure 19 - PROG Button

Figure 20- EMER-GENCY Button

2. Enter your local emergency service number, (or 911, if available), up to 14 digits. Press ⊞🔥⊡ to save.

Figure 21 - Tele-phone Keypad
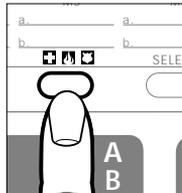
Figure 22 - EMER-GENCY Button

3. Type your name (up to 30 letters) and press ⊞🔥⊡ to save. (For number/letter, press key repeatedly until the desired number/letter appears on screen. Wait one second for cursor to advance to the next space. See section on "communicating in text telephone (TTY/TDP) mode" making a TTY call.)

4. Type your address (up to 45 letters) and press ⊞🔥⊡ to save.

5. Enter your home phone number (up to 14 digits) and press ⊞🔥⊡ to save.

If your relay requires you to provide the name of your long distance carrier continue with step 6, otherwise skip to step 7

6. Type your long distance carrier (up to 14 letters), and press ⊞🔥⊡ to save.

7. Hang up.

8. To change any information, repeat from step 1.

Making Emergency Calls and Sending Emergency Message

1. Lift handset

2. Dial the emergency number if it has not been programmed into ⊞🔥⊡ (see previous section).

3. Press ⊞🔥⊡ .

9

Figure 23 - EMERGENCY Button

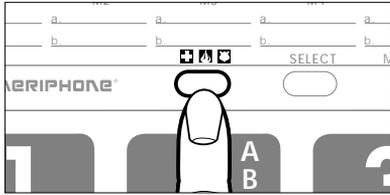4. The VCO phone dials the emergency number (if programmed) and transmits this message: *"HELP! I AM A VCO USER, PLS RESPOND BY TYPING ON A TTY, AND LISTEN TO ME ON UR PHONE, (your name), (your address), (your number) GA".*

5. This message will re-transmit every few seconds.

6. The message will stop when it starts receiving the typed message from the dispatcher. Or, you can stop and start the message by pressing ⬛◢⬛ .

7. Continue conversation by reading and talking.

Memory dialing emergency service and the emergency message feature are provided only as a convenience. Ameriphone assumes no responsibility for customer reliance upon these features.

Programming the Memory Buttons

You can automatically dial ten programmed telephone numbers using the memory buttons shown in Figure 24. Each button can be programmed (or reprogrammed using the same procedure) for a phone number up to 15 digits long.

Figure 24 - Memory Buttons

To Program a Button, Follow these Steps:

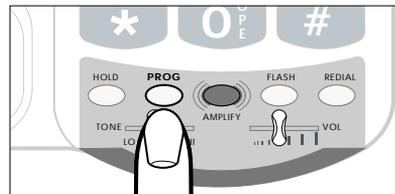1. Lift the handset and press **PROG** as shown in Figure 25.

Figure 25 - **PROG** Button

2. Enter the phone number on the keypad (Figure 26) just as you would dial it normally.
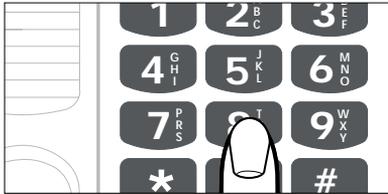
Figure 26 - Telephone Keypad

3. Press a memory button (Figure 24) to store this number on that button.

4. Immediately hang up the handset.
   Note: Any number previously stored at that button number will be overwritten.

5. To change a stored number, repeat the programming process starting with step 1.

Note: Please do not program 911 into any memory button

To Store a Second Number Into the Same Memory Location:
1. Lift the handset and press **PROG** as shown in Figure 25.

2. Enter the phone number on the keypad just as you would dial it normally, as shown in Figure 26.

3. Press the MEMORY b button and then the desired MEMORY button (Figure 24) to store this number as the second phone number in the same memory location.

Making and Answering VCO Calls

A person with hearing loss who uses their voice can use voice carry over (VCO) through the toll-free local relay service to communicate with a hearing person.

In a VCO (voice carry over) call, the hard of hearing person speaks directly to the other party. The Communications Assistant (CA) relays the response from the other person, which shows up as text on your VCO phone screen. You just read and talk.

It is not possible to speak to the other person or to the CA while the Dialogue VCO is receiving text messages. You must wait for the completed message as indicated by the word "GA" on the screen from the CA. It is important to let the other party know it is their turn to speak by saying "GA" or "GO AHEAD."

Some relay services offer to relay calls from one VCO user to another VCO user,

called Voice-To-Voice Relay or VTV. Contact your local relay service for more information. The relay services vary from state to state, and the procedures using the VCO phone may vary slightly. Follow the steps below to determine which procedure you should use for your local relay service.

Making VCO Calls

I. If your relay service has a dedicated phone number for TTY/TDD calls listed on the directory, use that number for making outgoing VCO calls. (The voice number is for people to call you through the relay service).

Follow These Steps to Make VCO Calls:

1. Lift the handset.

2. Push the **RELAY** button or dial from the keypad.
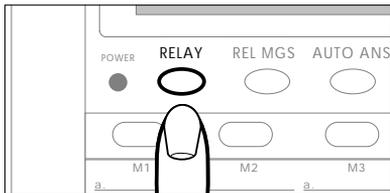
Figure 27 - **RELAY** button

3. After the Communications Assistant (CA) answers your call in text, press **REL MSG** button to request a VCO call.
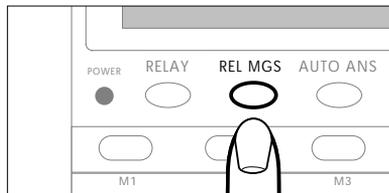
Figure 28 - **REL MSG** button

4. When prompted with *"GA"* on the display, voice the number you're calling. (In some areas, you may only provide calling information by text.)

5. When connected, read incoming messages on display and start speaking when you see *"GA"* at end of text message. Say "go ahead" when you're done and it's the other person's turn to talk.

6. Continue your conversation by reading and talking.

II. If your relay service has a common phone number for both voice and TTY/TDD calls, you can provide calling information by either voice or text:

Provide Calling Information by Voice:

1. Dial from keypad or from **RELAY** memory.
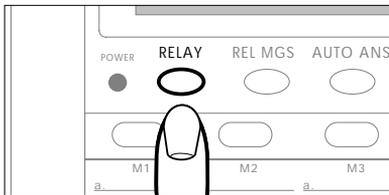
Figure 29 - **RELAY** button

2. The CA answers in voice (you can tell from the flickering of the signal indicator). Speak into the handset and tell the CA that you are a VCO user and give the CA all the calling instructions. Repeat the information one more time to ensure the CA received all of the instructions.
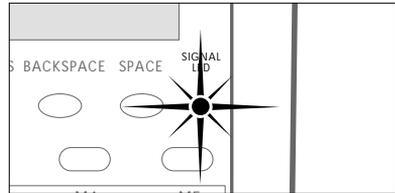
Figure 30 - Signal Indicator

3. When connected, read incoming messages on display and start speaking when *"GA"* appears. Say "go ahead" when you're done and it's the other person's turn to talk.

4. Continue your conversation by reading and talking.

Provide Calling Information by Text:

1. After the CA answers the call first in voice, wait quietly for one or two seconds, the CA will then answer in text. When you see "GA", press **SELECT** then **REL MSG** buttons. You'll see *"VCO CALL PLS"* on your display.

Figure 31 - **REL MSG** button

2. Dial the number you're calling on the keypad (if you make a mistake, press **PROG** to go back one space to erase the incorrect number), followed by pressing the ***** and **#** keys (this will type*"GA"*.)
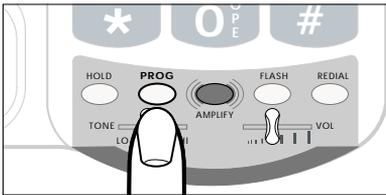
Figure 32 - **PROG** button

3. When connected, proceed with your call by reading and talking.

III. In areas where the CA needs to know your long distance carrier and /or your home phone number, you must complete the steps in the "Programming Your Emergency Calling Message" section.

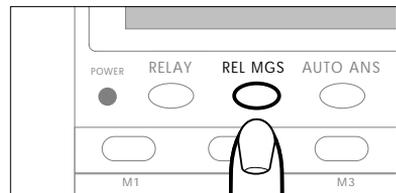1. When requested by the CA, press **REDIAL**.
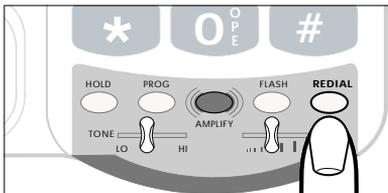
Figure 33 - **REDIAL** button

2. Your VCO phone will transmit: *"My number is...., My Long Distance Carrier is....GA"*.

Making VCO Calls by Memory Dialing:

After you press **RELAY** and reach a CA, pressing any memory button will inform the CA that you want to make a VCO call and give them the phone number stored in the memory button, all at the same time. There is no need to voice the phone number.

1. Lift handset.

2. Press **RELAY.**

Figure 34 - **RELAY** button

3. When the CA answers in text mode, press the desired memory button. If the number is stored as the second number in the memory, press **SHIFT** first and then the memory button.

4. The phone sends and displays this message on the screen; *"I AM A VCO USER, PLS CALL* (number stored in memory button selected), *GA"*. You don't need to voice the phone number. If necessary, press the same memory button to repeat the message.

5. When connected, proceed with the call as in normal VCO communications.

The above procedure works only when the telephone is in text mode. When operating in the telephone mode, pressing any memory button dials the phone number stored in that memory. (See "Memory Dialing" section)

Answering VCO Calls

1. Lift the handset when the phone rings.

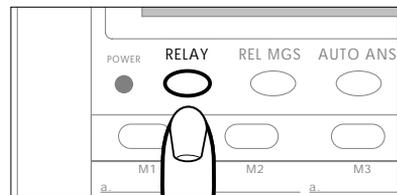2. Press **REL MSG**. Read the incoming message on the display.

Figure 35 - **REL MSG** button

3. When you see *"GA"* on the screen, speak to the calling party. If nothing appears on screen, it is not a VCO call, it is a voice call. Say into the phone, "I am a VCO user. Please call me through your state relay operator". Provide the relay service voice line number.

4. Continue your conversation by reading and talking.

We strongly advise you to tell your friends and associates to call you through the relay service using the voice relay number for their state.

Communicating in Text Telephone (TTY/TDD) Mode

Making a TTY Call:

You may use the Dialogue VCO to communicate with a text telephone (TTY/TDD). The party you called will begin using their TTY and send you a greeting message. When the Dialogue VCO receives text messages, it automatically switches from regular telephone mode to text mode. The screen will display *"BAUDOT MODE,"* and then the text received. After *"GA"* appears, you can then respond by using the keypad of the Dialogue VCO to type your messages.

To type a TTY message, use the keys of the keypad and their corresponding letters (i.e. number **2** is also for letters A, B, and C). On the screen, watch the character above the cursor change as you repeatedly press the same key. When the desired letter is shown, wait one second for the cursor to advance to the next space. Then enter the next character. **SPACE** is used as the space bar, and **BACK-SPACE** is used for backspace and correction. The letters "Q" and "Z" are located in key number **1**, other characters of punctuation are created with the *****, **0**, and **#** keys.

Text Transmission Speed Selection:
The Dialogue VCO defaults to the U.S baud rate of 45.5 when using text communications. To change to International baud rate, just press **SELECT** then **AUTO ANS**. The screen will read *"INT SPEED SELECTED."* You can switch back to U.S. speed in the same manner or by hanging up.

Acoustic Coupling of a TTY to the Dialogue VCO:
   1. Pick up the handset and place it into TTY acoustic cups.

   2. Dial number from the Dialogue VCO keypad.

   3. Press **SELECT** to go to Baudot mode.

   4. Press **1** key four times until *"&"* appears on the screen.

   5. Continue conversation using the TTY.

   6. When finished, hang up the handset.

Using Auto Answering Machine

The automatic answering machine of the Dialogue VCO can record 1728 total characters in text messages. The answering machine sends out the factory preset outgoing message that reads *"THX U FOR CLG, PLS LV A MSG GA"* to greet each caller.

To Turn on the Answering Machine:
   1. Pick up the handset.

   2. Press the **AUTO ANS** button. The screen reads: *"AUTO ANS ON 00 MSG 1=READ 2=ERASE 3=OFF"*. The number of old messages previously received will be displayed until you erase them. Erase old messages when not needed to ensure enough memory for new messages.

   3. Hang up the handset. The answering machine is now ready to take messages.

To Playback Recorded Messages:

1. The screen will indicate the number of messages you have received.

2. Press **1** to read your messages. Or press **1** again to fast forward to the next message. When finished, press **2** to erase messages.

3. Press **3** to turn off the answering machine.

Programming your Password (for remote message retrieval only)**:**

For security, you can set up a personalized password to protect the privacy of the messages left on your VCO answering machine.

1. Lift handset and press **AUTO ANS**.

2. Press **4**.

3. Type your password after the " / " by following the typing procedures.

4. When complete, press **SELECT** to return to auto answering mode.

5. When you retrieve your messages remotely, you must enter your password exactly. See section below.

Retrieving Messages Remotely:

1. Call your Dialogue VCO from a text telephone, another Dialogue VCO, or a TTY/ TDD pay phone.

2. When your Dialogue VCO answers, you will see the greeting message.

3. Type a backslash " / ", and your password if you've set one up. Then press the space bar or return key.

4. Your messages will scroll on the TTY screen.

5. At the end of the messages, *"ERASE MSG? Y/N"* appears, followed by *"REPEAT MSGS? Y/N"*. Type *"Y"* for yes and *"N"* for no.

Using an External Voice Answering Machine

The Dialogue VCO text answering machine will not work in conjunction with any voice answering machine. Do not hook an external voice answering machine to your Dialogue VCO because it will interfere with the internal text answering machine.

Direct Audio Output

The **AUDIO OUTPUT** socket allows you to connect the Dialogue VCO to a hearing aid, neck loop, cochlear implant or other assistive listening devices.
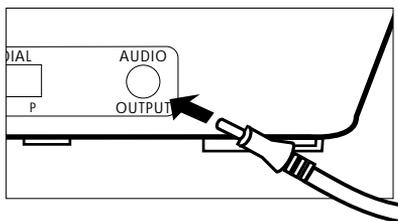

Figure 36 - Audio Output Socket

To use this port, plug in a compatible auxiliary cable and connect it to your assistive listening device. Speak into the handset when you use the Audio Output connection.

Cochlear Implant Adapter Cord:
A cochlear adapter cord is available from Ameriphone that can be used to plug the Dialogue VCO directly into a speech processor.

WARNING! During thunderstorms, avoid using telephones, electric shock from lightning can occur. Before plugging any cord into your speech processor, you must consult your implant manufacturer.

Connecting the Speech Processor:
Plug the mono end of the plug into the speech processor.

Plug the stereo end of the plug into the Audio Output socket on the phone.

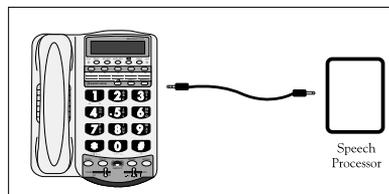Speak into the handset when using the Cochlear Implant Adapter Cord.

Figure 37 - Connecting the Speech Processor

Connecting to the Dialogue LVD

The Dialogue VCO can be used with the Dialogue LVD from Ameriphone, the large visual display for the Q-90 TTY. Attach the Dialogue LVD cable to the connector on the back of the Dialogue VCO. Be careful not to bend any pins.
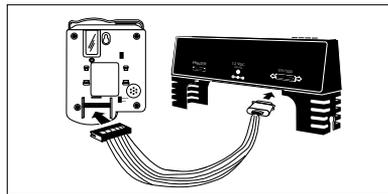

Figure 38 - Connecting the Dialogue LVD

Connecting to the Q-90 Printer

The Dialogue VCO can be used with the Q-90 Printer from Ameriphone. Attach the Q-90 Printer cable to the connector on the back of the Dialogue VCO.

Figure 39 - Connecting the Q-90 Printer

Figure 40 - Connecting the Dialogue VCO to the Dialogue LVD and the Q-90 Printer
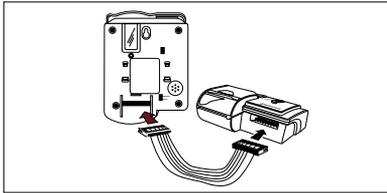
Connecting to the Dialogue LVD and the Q-90 Printer

The Dialogue VCO can be connected to both the Dialogue LVD and the Q-90 Printer through the use of an optional cable. The cable is available from Ameriphone and can connect the Dialogue LVD to the Q-90 Printer. The Ameriphone item number for the cable is #79028.
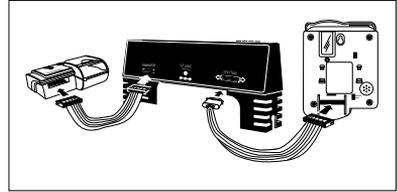
Troubleshooting Chart

The chart below will help you solve most problems that may arise during operation of your telephone. Should the difficulty continue, contact Ameriphone or your authorized dealer for assistance.

SYMPTOM	CAUSE AND CORRECTIVE ACTION
Screen remains blank	No power. The screen runs on AC power, check that the AC adapter is plugged into the wall, and the receptacle is plugged into the Dialogue VCO.
No dial tone	1. Check all phone cord connections. 2. Remove back-up battery if installed. Plug in AC adapter first then re-install battery.
Letters do not appear when pressing keypad	Still in telephone mode. Press **SELECT** to enter text mode.
No number dialed when memory button pressed	No number stored in that memory button. See "Programming Frequently Dialed Numbers."
Nothing happens when **RELAY** is pressed	No number stored in the **RELAY** button. See "Programming the Relay Service Number."
Garbled message on screen	Press **SELECT** once to correct the inco ing message.
Call cannot be dialed, or is dialed slowly	See "Installation" section to reset the dialing mode switch.
Dialogue VCO does not have an audible ring	Make sure the ringer is not set to "Off" position.

FCC Statement

The DIALOGUE VCO has been registered
with the Federal Communications Commission
(FCC) and complies with the standards in Part
68 of the FCC Rules.

FCC compliant telephone cords and modular
plugs are provided with this telephone. Your
telephone company is required by the FCC to
allow you to connect FCC registered tele-
phone equipment to their telephone lines.

The FCC requires that upon the request of
your local telephone company, you provide
the FCC registration number and Ringer
Equivalence Number (REN) of your telephone
equipment, both noted on the underside of the
Dialogue VCO.

Your Dialogue VCO has been tested and
found to meet the standards for a Class B
digital device, as specified in Part 15 of the
FCC Rules. These specifications are designed
to provide against interference with radio and
television reception in a residential installa-
tion. There is no guarantee that interference
will not occur in a particular installation. If
your Ameriphone product causes interference
with radio or television reception when in use,
you might correct that interference with any
one or all of these measures:

1. Where it can be done safely, reorient the
    receiving television or radio antenna.
2. To the extent possible, relocate the televi-
    sion, radio or other receiver with respect
    to the telephone equipment.
3. If your telephone product runs on AC
    power, plug it into an AC outlet that is
    not on the same circuit as the one used
    by your radio or television.

Warranty

This warranty applies only to Ameriphone products that are purchased and used in the United States or Canada.

Ameriphone warrants the **DIALOGUE VCO** telephone against any defect in materials or workmanship for the period of one year from the date of purchase.

If your Ameriphone product is defective and returned within 30 days of the date of purchase, your **DIALOGUE VCO** dealer will replace it at no charge.

If returned after 30 days, but within one year from the date of purchase, we will repair or replace it at no charge. In the repair of your **DIALOGUE VCO**, we may use new or reconditioned replacement parts. If we elect to replace your **DIALOGUE VCO**, we may replace it with a new or reconditioned product of the same or similar design. Repair or replacement will be warranted for either 90 days or the remaining time on the original warranty period, whichever is longer.

Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use), are limited to one year from date of purchase. We will not pay for loss of time, inconvenience, loss of use of your **DIALOGUE VCO**, or property damage caused by your **DIALOGUE VCO** or its failure to work, or any other incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above exclusions or limitations may not apply to you.

To get warranty service for your **DIALOGUE VCO**, you must provide proof of the purchase date. Within 30 days of the date of purchase, return your **DIALOGUE VCO** to the place where you purchased it for immediate replacement. After 30 days, call Ameriphone at 800-874-3005 VOICE or 800-772-2889 TTY for the authorized service center near you. You must prepay all shipping costs. We suggest you save the original package materials in the event you need to ship the **DIALOGUE VCO**. When shipping for warranty repair, include your name, address, phone number, proof of date of purchase, and a description of the problem. After repairing the product, we, (or the service center) will ship it back to you at no cost within the United States and Canada. CANADIAN RESIDENTS: call Ameriphone at 800-874-3005, 800-772-2889 TTY for instructions.

This warranty does not cover defects resulting from accidents, damage while in transit to our service location, alterations, unauthorized repair, failure to follow instructions, misuse, use outside the United States or Canada, fire, flood, and acts of God. Nor do we warrant the product to be compatible with any particular telephone equipment, party line, key telephone systems, or more sophisticated switching systems. If your **DIALOGUE VCO** is not covered by this warranty, call us at 800-874-3005 or 800-772-2889 TTY for advice as to whether we will repair your **DIALOGUE VCO** and other repair information. The repair shall be warranted for 90 days.

Specifications

Maximum gain
High frequency (3 kHz): 30 dB
Wide band (300 to 3000 Hz): 20 dB

Tone control range
Full range: 300 to 3000Hz using one
slide control.

Dimensions
Size: $9\,^{1}/_{2}$" x 7" x $3\,^{1}/_{4}$"
Weight: 2.52 lbs.

Power Requirements
AC adapter: 9V, 300 mA
4 AA rechargeable batteries (option-
al)

CSA / NRTL Listed
FCC and DOC Approved

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