USING YOUR COMPACT/C ™

≡Ultratec

305-005602

OVERVIEW

Acoustic cups

Serial number label
(inside battery compartment)

Battery
compartment

Adapter jack (left side)

Audio jack, 2.5 mm (right side)

Display

On/Off key

Escape key

Enter key

Control key

Spacebars

Display Backlight key

High/low sensitivity key

Compact by Ultratec

C O N T E N T S

POWER & BATTERIES   KEYBOARD & DISPLAY   TIME/DATE   TELEPHONE/ WIRELESS CALLS   MEMOS   CONVERSATIONS   MEMORY   DIRECTORY   CODES   CARE & REPAIR

IMPORTANT SAFETY INSTRUCTIONS

When using your Compact/C, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons.

General Precautions

1. SAVE THESE INSTRUCTIONS!
2. Read and understand all instructions.
3. Follow all warnings and instructions on the Compact/C.
4. Unplug the Compact/C from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use the Compact/C near water, for example, near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
6. Do not place the Compact/C on an unstable cart, stand, or table. The Compact/C may fall, causing serious damage to the Compact/C.

7. The Compact/C 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 the Compact/C where people can walk on the cord.
9. Do not overload wall outlets and extension cords. This overloading can result in a fire or electric shock.
10. To reduce the risk of electric shock, do not disassemble the Compact, but take it to a qualified service person when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the Compact/C is subsequently used.
11. Avoid using a telephone (other than a cordless type) during an electrical storm. There is a remote risk of electric shock from lightning.

12. Unplug the Compact/C 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 Compact/C.
    c. If the Compact/C has been exposed to rain or water.
    d. If the Compact/C does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the Compact/C to normal operation.
    e. If the Compact/C has been dropped and/or damaged.
    f. If the Compact/C exhibits a distinct change in performance.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.
14. Ultratec recommends plugging your Compact/C into a surge-protected outlet. This will protect the equipment from damage caused by electrical surges due to lightening or other causes.

Battery safety

Caution: To reduce the risk of fire or injury to persons, read and follow these instructions:

1. Use only the type and size battery specified in the battery instructions for your unit.
2. Do not dispose of the batteries in a fire. Cells may explode. Check local codes for possible special disposal instructions.
3. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short them with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

INTRODUCTION

How to open the Compact/C™

Hold the Compact/C in both hands with one thumb on the middle lip along the long edge. Put the other thumb on one of the side lips on the same edge. Pull thumbs away from each other.
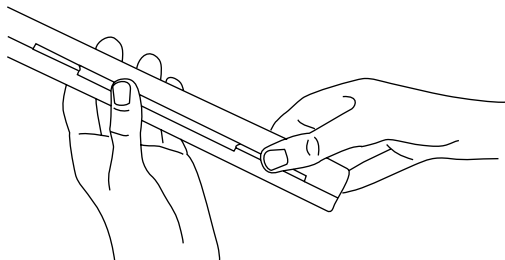
Features

Welcome to the Compact/C TTY from Ultratec. Your new TTY has the following features:

Audio jack and cable for connecting compatible cellular and cordless phones. **Compatible with industry-standard digital cellular phones** (see *Wireless TTY Calling* on page 12).

Turbo Code® communication protocol. This feature transmits signals to other Turbo Code TTYs as fast as you type. Turbo Code also lets you interrupt the other person's typing. (see *Using Turbo Code* on page 26)

Automatic addition of the date and time to the beginning of each conversation.

A **Directory** where you can save important telephone numbers for easy reference.

Memo memory where you can save short notes and send them as part of a conversation.

Conversation memory for convenient review of past Conversations.

Long-lasting **rechargeable batteries** for many hours of portable use.

Auto ID™ for alerting the person you are calling that you are using a TTY. This audible signal is automatically sent when your Compact/C is on but no one is typing (see *Using Auto ID* on page 11).

An **80-character, 2-line backlit display** that tilts for optimum visibility.

The **TTY Announcer**™ voice recording can be played to alert a hearing caller that you use a TTY (see *Using the TTY Announcer* on page 10).

Full-sized keyboard with real keys for easy touch-typing.

3

P O W E R   &   B A T T E R I E S

Use batteries for power or plug in the AC adapter. Be sure that you use the AC adapter that comes with the Compact/C—it supplies the right amount of electrical power and properly charges the batteries.

Plugging in the Compact/C

Be sure you are using rechargeable, NiCad batteries whenever you plug in the AC adapter. The batteries that come with the Compact/C are size AA NiCad rechargeable batteries. You can also use non-rechargeable alkaline batteries, but never use alkaline batteries with the AC adapter.

Follow these steps to plug in the AC adapter and charge the

Using Non-Rechargeable Batteries

batteries:

1. Remove the plastic tab from the battery compartment.
2. Plug the AC adapter power cord into the jack on the left side of the Compact/C.
3. Plug the AC adapter into an electrical outlet.
4. Leave the AC adapter plugged in for 14 hours to completely charge the batteries. You can make calls while the AC adapter is plugged in.

CAUTION: To avoid serious damage to the Compact, NEVER use alkaline batteries at the same time as the AC adapter!
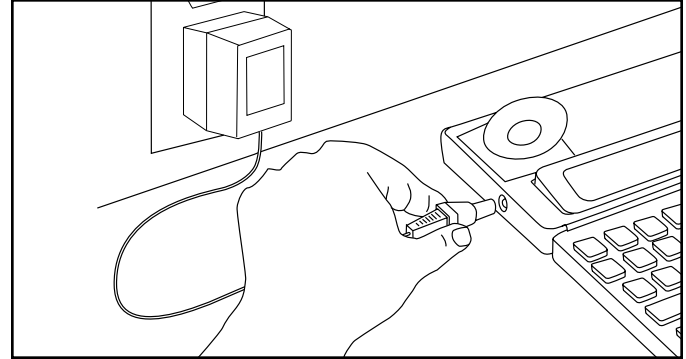
You can replace the rechargeable batteries with non-rechargeable alkaline batteries. But, if you do, **do not use the AC adapter**. You must put rechargeable batteries back in before you use the AC adapter again. Follow these steps to use non-rechargeable batteries:

1. Remove the battery cover by pressing in on the front edge and lifting.
2. Remove the old batteries.
3. Install five, size AA batteries. Align the positive and negative ends according to the **+** and **–** symbols in the battery compartment.
4. Put the battery cover back on.

4

POWER &
BATTERIES

Using Rechargeable Batteries

Plug in the AC adapter for 14 hours to completely charge the batteries before you use the Compact/C on battery power for the first time.

The unit automatically uses battery power unless you plug in the AC adapter. Even with the AC adapter plugged in, the Compact/C uses battery power if there is an emergency electrical outage.

Fully-charged batteries will power the Compact/C for about eight hours. The batteries will last longer—up to 16 hours—if you turn the backlight off.

"B" in the upper left corner of the display means it is time to recharge the batteries. If you turn off the display backlight, you may have 5-10 minutes of power left. The Compact/C will turn itself off

Replacing Rechargeable Batteries

1. Remove the battery cover by pressing in on the front edge and lifting.
2. Remove the old batteries.
3. Install five, NiCad size AA rechargeable batteries. Align the positive and negative ends according to the **+** and **–** symbols on the bottom of the battery compartment.
4. Put the battery cover back on.
5. Plug in the AC adapter and charge the new batteries for 14 hours.
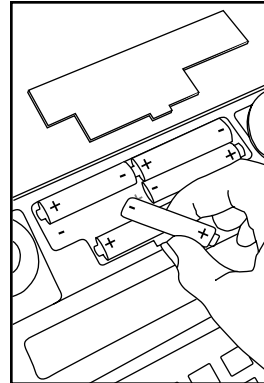
when the batteries run down completely.

Exercising Rechargeable Batteries

You should run down the batteries completely and recharge them about once a month. Use the Compact/C without the AC adapter until the batteries are low and then plug the adapter back in and recharge for 14 hours.

The batteries should last several years. But if they start running down quickly after recharging, they need to be replaced. Rechargeable, NiCad batteries are available from your Ultratec dealer or any store that sells batteries.

The battery compartment has + and – symbols to show you which way the batteries go in.

KEYBOARD & DISPLAY

The display is a backlit liquid crystal display (LCD) with two, 40-character lines. The backlight can be turned on or off by pressing the Backlight key (hold down the ⎡Ctrl⎤ key and press the ⎡→⎤ key). The batteries will last much longer with the backlight off. When you turn the backlight off, it stays off until you turn it on again. The Compact/C also automatically saves power by turning off the backlight if nothing is typed or received for two minutes. It turns itself off completely if nothing is typed or received after four minutes.

The Conversation Screen

When you press the ⎡On/Off⎤ key, the display shows the Conversation screen. This is the screen you will use most of the time. It's the

```
    COMPACT/C by ULTRATEC
    07/01/02  7:15:01 PM
```

This is how the Conversation screen looks when you turn on the Compact/C.

```
  ====== 07/01/02 07:15:26 PM ======
01  ken here ga HI KEN THIS IS JUDY HOW
```

This is how the Conversation screen looks when you start a conversation.

screen you see when you are conversing on the telephone. Whenever someone types, the words appear on the second line of this screen. When the second line fills up, it moves up one line. You see only two lines of your conversation at any time, but there may be many more lines above or below what you see. You can scroll up or down line by line by using the ⎡↑⎤ key or the ⎡↓⎤ key. Everything you type will be displayed in upper and lower case letters. Everything you receive will be in all uppercase letters.

You will see a different kind of screen when you use a function such as setting the time. Each function has its own screen. When you are done with a function, you will return to the Conversation screen.
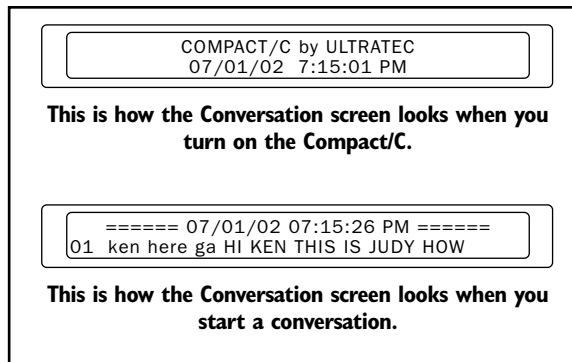
The following symbols appear at different times on the left side of the Conversation screen:

● This is the Signal light. It shows sounds this way:
Stays on: Dial tone or connect with another TTY.
Slow blinking: Telephone ringing.
Fast blinking: Telephone busy.
Flickering: Person on the other end is picking up the telephone or speaking.

T C This is the Turbo Code indicator. It comes on when you are connected in Turbo Code.

01 This is the line number.

B This means the batteries are low.

Using the Control and Escape Keys

**The Control key** Ctrl . To use a function, you hold down the Ctrl key and press one of the keys with a label above it. These keys are shown in black below. When you hold down the Ctrl key, you change the keys that have labels above them into function keys.

The Escape key Esc . This key always changes the display back to the Conversation screen after you use a function. For example, after setting the time, press the Esc key to return to the Conversation screen.

Special Characters

The **@#%^&*_<>** characters will not show up on the display of the Compact/C when you are using Baudot code or during a cellular call. These characters cannot be sent or received in Baudot code. They work only when you use Turbo Code® (see *Using Turbo Code* on page 26 for more information).
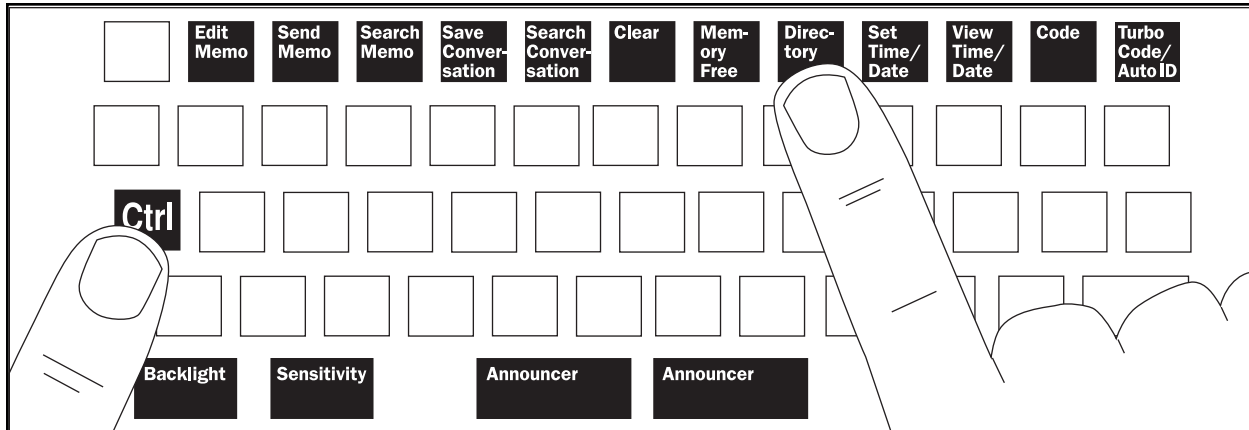

To use the Control key, hold it down and press any one of the keys shown in black above.

KEYBOARD & DISPLAY

T I M E & D A T E

The Compact/C automatically puts the time and date on the first line when you turn it on.

Checking the Time and Date

After you set the time and date, hold down the `Ctrl` key and press the `0` key whenever you want to check it. Press the `Esc` key to return to the Conversation screen.

TIME/DATE KEYS

`9` `0`

`Ctrl`

CONTROL KEY
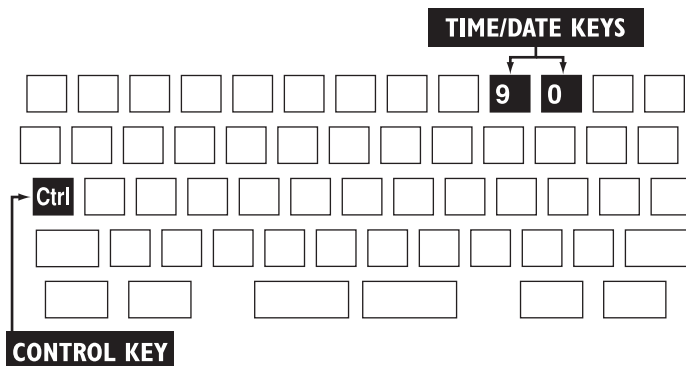
Setting the Time and Date

Steps	Keys	Screens
1. Press the Time/Date Set key.	`CTRL` + `9`	`[01]/ 02 / 02      12 : 00 : 00  AM` `USE ←,→ TO MOVE, USE ↑,↓ TO CHANGE`
2. Press the Up Arrow or the Down Arrow key to set the month.	`↑` or `↓`	`[07]/ 02 / 02      12 : 00 : 00  AM` `USE ←,→ TO MOVE, USE ↑,↓ TO CHANGE`
3. Press the Right Arrow key to move the quare brackets to the day. Set the day.	`→` `↑` or `↓`	`07/[22] / 02      12 : 00 : 00  AM` `USE ←,→ TO MOVE, USE ↑,↓ TO CHANGE`
4. Use the Arrow keys to set the year, hour, minute and AM or PM.	`→` `↑` or `↓`	`07/ 22 / 02      04 : 25 : 37  [PM]` `USE ←,→ TO MOVE, USE ↑,↓ TO CHANGE`
5. Press the Escape key to return to the Conversation screen.	`ESC`	`COMPACT/C by ULTRATEC` `07/22/02  04:25:37 PM`

8

TIME/DATE

T E L E P H O N E   C A L L S

Turn on the Compact/C and put the telephone handset in the acoustic cups. Make sure the cord is on the left side. If you are answering, type a greeting. If you are calling, dial the number on the telephone and wait for a response, then start typing.

If you are calling a person who will answer by voice, turn on the TTY Announcer (see *Using the TTY Announcer* on page 10 for more information). If you are a new TTY user, see *TTY Etiquette* on the back cover. For information about using a cellular or cordless phone, refer to *Wireless Telephone Calls* on page 12.

Be sure the telephone handset makes good contact with the acoustic cups. The right side, the receiving end, is especially important. You can slide the right cup back and forth slightly to improve the fit.
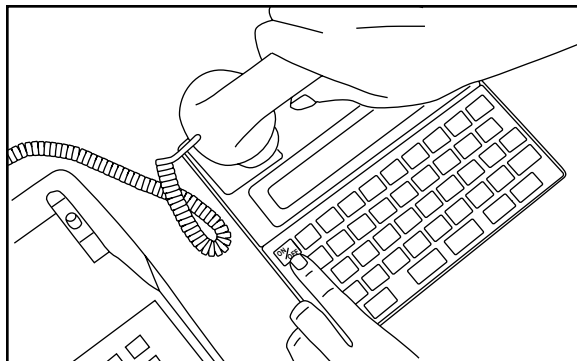
To make a call, put the telephone handset in the acoustic cups, press the On/Off key, dial the number on the telephone, and type.

Placing a Call

1. Turn on the Compact/C. You will see the Conversation screen on the display:

> COMPACT/C by ULTRATEC
> 07/01/02 7:15:01 PM

2. Put the telephone handset in the acoustic cups with the cord on the left.

3. The Signal light comes on steadily when you have a dial tone.

If you don't see the Signal light, hold down the telephone hook for two to three seconds or adjust the telephone handset.
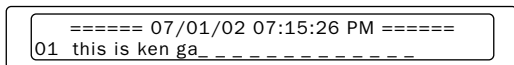
4. Dial the number. The Signal light flickers as you dial, then flashes slowly when the other telephone rings. It flashes quickly if the line is busy.

5. The Signal light stops flashing when someone answers. You will see the other person's greeting on the screen. "01" is the line number.

> ====== 07/01/02 07:15:26 PM ======
> 01 JUDY HERE GA_ _ _ _ _ _ _ _ _ _ _ _

6. Type your reply. When the bottom line fills up, it moves up to make way for line 02.

7. Turn off the Compact/C and hang up the telephone when you are finished.

Answering a Call

1. Turn on the Compact/C.

2. Put the telephone handset in the acoustic cups with the cord on the left.

3. Type a greeting:

```
====== 07/01/02 07:15:26 PM ======
01  this is ken ga_ _ _ _ _ _ _ _ _ _ _ _ _
```

4. When you see the caller's response, go ahead with your conversation.

5. When you are finished, turn the Compact/C off and hang up the telephone handset.

Reviewing Conversations

To review your Conversation at any point during or after a call, press the ↑ key to move back through the Conversation memory. To return to the most recent Conversation, press the Esc key. For more information, see *Conversations* on page 18.

Using the TTY Announcer™

The TTY Announcer is a voice recording inside the Compact/C which says, "TTY call, please use text telephone." The TTY Announcer tells a hearing person to use a TTY to answer your call.

To use the TTY Announcer:

1. Make your TTY call. Watch the Signal light for a ring signal.

2. When the other line rings, turn on the TTY Announcer by holding down the Ctrl key and pressing the Spacebar. You will see this screen:

```
ANNOUNCING
```

3. The TTY Announcer says, "TTY call, please use text telephone," over the telephone handset.

   When the display changes to ANNOUNCER ON, the Compact/C is waiting for TTY signals.

4. The Announcer repeats its message every three seconds. It stops automatically when someone starts typing to you.

5. You can turn off the TTY Announcer at any time by pressing any key.

Note: You may miss the first few letters of an incoming message if the other person starts typing while ANNOUNCING is displayed.

Using Turbo Code® Interrupt

Turbo Code Interrupt allows you to inject a thought or make a comment, just as you can in a face-to-face conversation. It is made possible by Turbo Code, an improved version of Baudot code that gives your Compact/C some additional capabilities (see *Using Turbo Code* on page 26 for more information).

To interrupt the other person while they are typing:

1. The call must be connected in Turbo Code to another TTY that also has Turbo Code capability. To turn on Turbo Code, hold down Ctrl and press the ☐ key (see *Using Turbo Code* on page 26).

   When the call is connected in Turbo Code, the **τc** symbol appears in the upper left corner of your display.

2. Press the Interrupt key (Ctrl + I) while the other person is typing. You will see INTERRUPT REQUESTED on your display.

3. The other person's TTY will display INTERRUPT. The other person can choose to stop typing and let you go ahead or ignore your interruption and continue.

If you see INTERRUPT on your display, the other person wants to interrupt you. Come to a good stopping point and type "GA" to allow the other person to type. You may also choose to ignore the interruption.

Note: For best compatibility with digital wireless networks, do not turn on Turbo Code for calls using a digital cell phone.

Using Auto ID™

About Auto ID

The Auto ID feature alerts a hearing person that you are calling with a TTY. It alerts the person by sending several audible tones over the telephone line every few seconds. Auto ID helps emergency services such as 911 detect that you are calling by TTY. Auto ID is not the same as Caller ID, a separate service available through your telephone service provider that requires additional equipment.

Once Auto ID is on, it comes on automatically when you turn on your Compact/C and continues until you start a conversation. If you are on-line, you will see SENDING AUTO ID on the display every time the Compact/C sends out tones.

Turning on Auto ID

Auto ID is off when you receive your Compact. To turn on Auto ID:

1. Hold down the Ctrl key and press the ☐ key. You will see AUTO ID [OFF] on the display.

2. Press the Spacebar to change the setting to ON.

3. Press the Esc key to save the new setting.

WIRELESS TELEPHONE CALLS

What Equipment Do I Need?

The Compact/C comes with a cable which connects directly to compatible wireless telephones. For calling away from home, the Compact/C can be used with select digital cellular phones. Around the home, the Compact/C can be used with most cordless telephones that have a 2.5 mm audio jack.

Your Compact/C has been specifically designed to be compatible with digital cell phones that support a TTY mode. When purchasing a cell phone and service for use with your Compact/C, be sure to ask about compatibility with TTYs. Look for the International TTY symbol when selecting a cell phone: 📠 .

4. Connect the cable that came with the Compact/C to the jack on the right side of the TTY. Connect the other end to the cell phone.
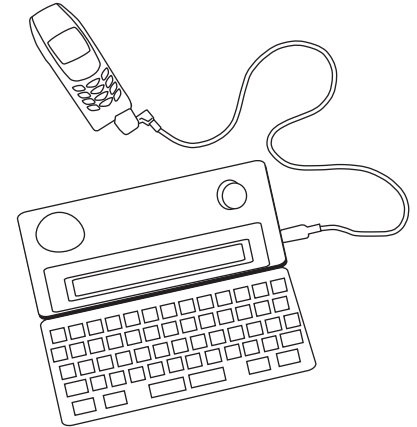
Setting Up for a Cellular Call

1. Read all instructions that came with your cell phone. For example, make sure you will know when the phone has a strong signal or is low on battery power.
2. Set up the cell phone for use with a TTY (since the handsfree jack on the cell phone may be used for different equipment, be sure the phone is set up to accept a TTY connection). This is usually a menu setting on the phone.
3. Make sure that you will know when the cell phone has received a call. For example, will the phone vibrate when it rings?

Placing a Cellular Call

1. Connect the cable from the cell phone to the TTY.
2. Turn on the Compact/C and press the ⎡Spacebar⎤ .
3. Make sure you have a strong signal on the cell phone (refer to operating instructions for the cell phone).
4. Use the cell phone to dial the number you are calling.
5. Once the call has connected to a TTY, the Compact/C will display the Conversation text. See *Telephone Calls* on page 9 for more information about TTY calling.

12

Answering a Cellular Call

1. The cell phone rings or vibrates, signaling that you have an incoming call.
2. Connect the Compact/C to the cell phone using the cable that came with the TTY.
3. Turn on the cell phone to answer the call according to the operating instructions for the cell phone.
4. Turn on the Compact/C and begin typing your greeting.

Using the Compact/C with a Cordless Phone

When connected to a compatible cordless phone, the Compact/C may be used:

- on the front porch
- by the pool
- in the garage
- anywhere within cordless phone range!

Placing a Cordless TTY Call

1. Connect the Compact/C to the cordless phone using the cable that came with the TTY.
2. Use the cordless phone to dial the number you are calling.
3. Turn on the Compact/C and press the ⎣Spacebar⎦.
4. Once the call has connected to a TTY, the Compact/C will display the conversation text. See *Telephone Calls* on page 9 for more information about TTY calling.

Answering a Cordless TTY Call

1. The phone rings and you are alerted that you have an incoming call.
2. Connect the Compact/C to the cordless phone using the cable that came with the TTY.
3. Turn on the cordless phone and the Compact/C.
4. Type a greeting.

Frequently Asked Questions About Wireless TTY Calling

I am having difficulty connecting my call.

Are the Compact/C and phone both turned on? Does each device have power? Are the batteries fully charged?

Is the cable is firmly attached to both the cell phone and the Compact/C?

Does the cell phone have a strong signal?

My cell phone seems to be dialing the telephone number, but the call is not connecting.

Are you within your cellular calling region?

Did the cell phone establish a good signal before you dialed?

Did you complete the dialing process. For example, did you press the "Send" button on the cell phone?

After my conversation has begun, I am disconnected from the other person and receive garbled text or nothing at all.

This sometimes happens with cellular calls, even non-TTY calls.

Are you making a call while moving? For example, are you riding a car? If so, you may be losing your cellular connection due to tunnels, hills or valleys. Try calling again from a location where you know you have a strong, consistent cellular signal.

Can I use VCO during wireless calls?

Yes. Simply remove the cable from the cell phone and speak into the cell phone when it is your turn to speak. Replace the cable to read the person's response on your Compact/C.

Can I use the Compact/C at a payphone?

Yes. The Compact/C can be used acoustically in the traditional TTY manner. It is not limited to use with wireless phones.

What can I do if I receive "garbled" text during a cordless call?
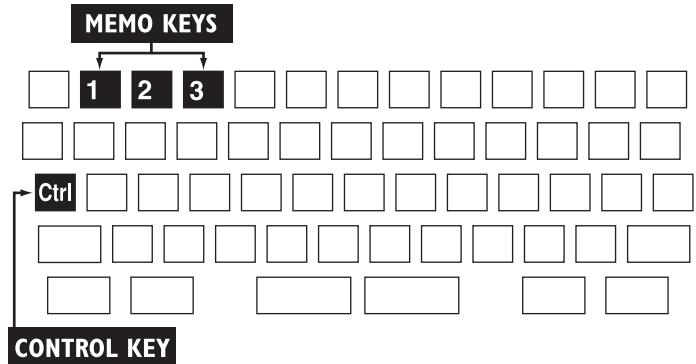
Refer to the operating instructions for your cordless phone for ways to improve reception. For example, you may wish to switch channels or move closer to the phone's base.

M E M O S

Saving a Memo before you call and then sending it during a Conversation can save time and money, especially if you are calling long distance. It is also a handy way to make notes to yourself. You can save as many Memos as the memory will hold.

After you have created a Memo, you can go back and make changes at any time. You can also search through all of your Memos to find a name or telephone number or some other text that someone sent you.

Another way to create a Memo is to save a Conversation as a Memo. See *Saving a Conversation as a Memo* on page 19.

Creating a New Memo

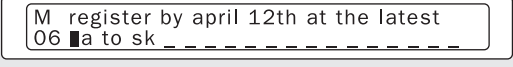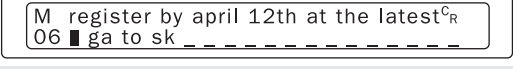| Steps	Keys	Screens
1. Press the Memo Edit key.	Ctrl + 1	TYPE MEMO NAME:_____(CREATE/EDIT) PRESS SPACEBAR TO SELECT FROM LIST
2. Type a Memo name (up to 8 letters, no numbers or spaces). Press Enter twice.	A N S W E R ↵ ↵	M 01 _
3. Type the Memo.	A L Spacebar H E R E GA	01 al here ga _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
4. Press the Escape key to save the Memo.	Esc	COMPACT/C by ULTRATEC 07/22/02 04:25:37 PM
• Press the Memory Free key to see how much space is remaining.	Ctrl + 7	9399 CHARACTERS FREE

Sending a Memo

Steps	Keys	Screens
1. Press the Memo Send key.	`Ctrl` + `2`	`TYPE MEMO NAME: █ _ _ _ _ _ _ (SEND)` `PRESS SPACEBAR TO SELECT FROM LIST`
2. Type the name of the Memo and press Enter. Or, press the Spacebar for a list.	`C` `O` `N` `V` `E` `N` `T` `N` `←` or `Spacebar`	`CONVENTN>this is al calling about the st` `PIZZA      i would like to order a pizza f`
If you listed, press the Up or Down Arrow key to move the Memo to the top line.	`↑` or `↓`	`CONVENTN>this is al calling about the st` `PIZZA      i would like to order a pizza f`
3. When the Memo is on the top line, press Enter to send it.	`←`	`01 this is al calling about the state conv`
Pressing any key will interrupt and stop the sending of the memo.	`Esc`	

Selecting a Memo to Edit or Clear

Steps	Keys	Screens
1. Press the Memo Edit key. Then, press the Spacebar to list Memos.	`Ctrl` + `1` `Spacebar`	`TYPE MEMO NAME: █_____ (CREATE/EDIT)` `PRESS SPACEBAR TO SELECT FROM LIST`
2. Use the Up and Down Arrow keys to scroll through the list.	`↑` or `↓`	`ANSWER  > al here ga _____` `CONVENTN this is al calling about the st`
3. Use the Right and Left Arrow keys to see more of the text of the current Memo.	`←` or `→`	`CONVENTN> this is al calling about the st` `PIZZA      i would like to order a pizza f`
4. When the Memo you want is on the top line, you can press the Enter key to edit it.	`←`	`M` `01 █ this is al calling about the state co`
Or, to clear it, press the Clear key. Then, press Y.	`Ctrl` + `6` `Y`	`CONVENTN> this is al calling about the st` `REMOVE MEMO? [NO] yes`

Editing a Memo

Steps	Keys	Screens
• Use the arrow keys to put the cursor (▮) wherever you want to make a correction.	⬆ ⬇ ⬅ or ➡	`M  at the regency hotel … be sure to` `05 ree▮ister by april 12th ga to sk_ _ _`
• To delete a letter, position the cursor to its right and press the Backspace key.	⌫	`M  at the regency hotel … be sure to` `05 re▮ister by april 12th ga to sk_ _ _ _`
• To insert characters, position the cursor and type.	L A T E S T	`M  register by april 12th at the latest` `06 ▮a to sk _ _ _ _ _ _ _ _ _ _ _ _ _ _`
• To start a new line, press the Enter key. The ^{CR} symbol means "carriage return."	↵	`M  register by april 12th at the latest`^{CR} `06 ▮ ga to sk _ _ _ _ _ _ _ _ _ _ _ _ _ _`
• To erase all text, press the Clear key.	Ctrl + 6	
• Press Escape when you are finished	Esc	

Searching Through all Memos

Steps	Keys	Screens
1. Press the Memo Search key.	Ctrl + 3	`FIND: ▮_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _` `ENTER TEXT FROM MEMO`
2. Type the text (up to 20 letters and/or numbers). Then, press Enter.	S T A T E ↵	`FIND: STATE ▮_ _ _ _ _ _ _ _ _ _ _ _ _ _` `ENTER TEXT FROM MEMO`
3. If the Compact/C finds the text, it displays the Memo name with the text flashing.		`CONVENTN>state convention. This year it` `PIZZA      i would like to order a pizza f`
4. Press the Escape key when you want to return to the Conversation screen. Note that search only searches the contents of Memos. For a list of Memo names, press the Memo Edit key.	Esc	

C O N V E R S A T I O N S

The Conversation keys allow you to do two things: (1) save a Conversation and (2) search through all Conversations in memory.

How Conversations Are Saved in Memory

The Compact/C automatically saves Conversations one after another in its memory. The newest line is at the bottom; the oldest at the top. Each time you add a new line, the old ones move up, like credits on a movie screen. The memory holds about 110 lines. After the memory fills up, the oldest line is erased each time a new line is added. See *Memory* on page 21 for more information about storage space.

CONVERSATION KEYS

CONTROL KEY

Clearing Conversation Memory

1. Press the Clear key (hold down the `Ctrl` key and press the `6` key). You will see MEMORY CLEAR [CONVERSATION] on the display.

2. Press the `↵` key.

3. You will see CLEAR CONVERSATION? on the display. Press the `Y` key to answer "Yes."

All of your Conversations will be cleared, but Memos and Directory entries will remain.
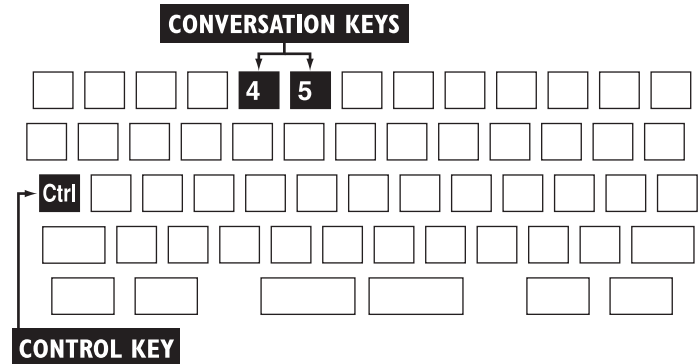
Saving a Conversation as a Memo

Conversations vs. Memos

You can save an important Conversation by recording it as a Memo. The difference between a Conversation and a Memo is that a Conversation can be overwritten by newer Conversations over time (see *How Conversations are Saved in Memory* on page 18). A Memo is saved in a different part of the memory and it stays there until you erase it.

When you save a Conversation as a Memo, you make a copy of the Conversation and put it in a Memo. Just like with any other Memo, you can now edit the saved Conversation or clear it by using the Memo keys. See *Memos* on page 15 for more information on using Memos.

You can save a Conversation as a Memo at any time during the Conversation, including after you hang up, as long as you do not turn off the Compact/C. The Compact/C saves everything from the beginning of the Conversation up to where you are, and continues to save until you stop recording or turn off the Compact/C.

If there is not enough memory, the Compact/C starts from where you are when you begin recording and saves as far back to the beginning as it can. If you need more memory, you can clear old Memos before saving new ones. See *Memory* on page 21 for more information about storage space on the Compact/C.
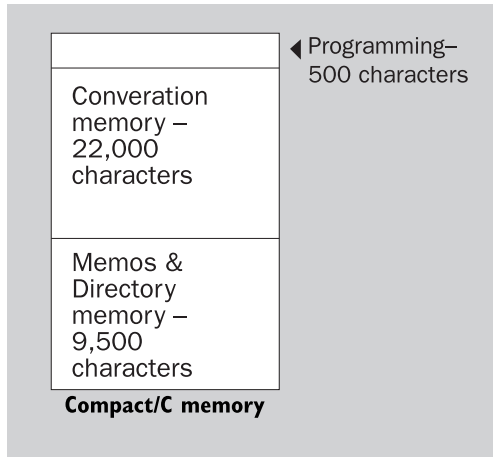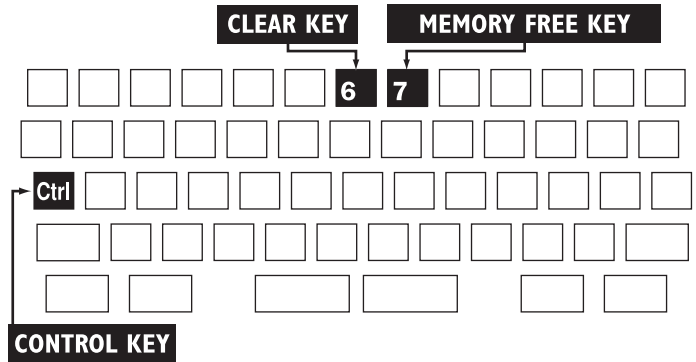
Saving a Conversation as a Memo

Steps	Keys	Screens
1. Press the Conversation Save key.	`Ctrl` + `4`	TYPE MEMO NAME:■ _ _ _ _ _ _ (SAVE CONV) 9144 CHARACTERS FREE
2. Type a name for the Memo. Notice the screen tells you how much space remains.	`D` `O` `C` `T` `O` `R`	TYPE MEMO NAME:DOCTOR■ _ (SAVE CONV) 9144 CHARACTERS FREE
3. Press Enter. The "R" on the screen means you are recording. The Coversation will be saved from the beginning up to the line you are on and forward until you stop recording.	`↵`	R ● SIDE EFFECTS TO WATCH FOR GA hold 04 pls so i can record this … ok ga
4. Press the Escape key at any time to stop recording.	`Esc`	● CALL IF YOU HAVE ANY QUESTIONS. GA 10 ok thanks bye sksk BYE SKSK _ _ _ _

Searching for Text in a Conversation

Steps	*Keys*	*Screens*
1. Press the Conversation Search key.	`Ctrl` + `5`	FIND: ▮ _ _ _ _ _ _ _ _ _ _ _ ENTER TEXT FROM CONVERSATION
2. Type up to 20 characters. This example uses the word "number."	`N` `U` `M` `B` `E` `R`	FIND: NUMBER ▮ _ _ _ _ _ _ ENTER TEXT FROM CONVERSATION
3. Press Enter. The Compact/C searches the entire Conversation memory. If the text is found, it is displayed flashing.	`↵`	HI JAN HERE IS MY NEW ADDRESS 02 AND PHONE <u>NUMBER</u> READY Q GA _ _
4. To continue searching, press the Conversation Search button again. Then, press Enter.	`Ctrl` + `5` `↵`	THE PHONE <u>NUMBER</u> YOU ASKED FOR 08 IS 222-2222 GOT IT Q GA _ _ _ _ _ _
5. If the text is not found, you will return to the Conversation screen.		NOT FOUND!

MEMORY

The Compact/C has a total memory space of 32 kilobytes (32K), which is about 32,000 characters. About 500 characters are used for internal programming. The remaining space is divided into two parts: 22,000 characters (about two letter-size typed pages) of space is set aside for saving recent Conversations. 9,500 characters are available for Memos and Directory entries. Everything saved in memory stays there, even when you turn off the Compact/C.

Compact/C memory

Programming– 500 characters

Converation memory – 22,000 characters

Memos & Directory memory – 9,500 characters

Clearing Memory

Steps	Keys	Screens
1. Press the Clear key.	Ctrl + 6	MEMORY CLEAR [CONVERSATION] memos dir all
2. If necessary, use the Spacebar to move the square brackets on the screen. For example, press once to clear all Memos.	Spacebar	MEMORY CLEAR conversation [MEMOS] dir all
3. Press Enter.	↵	CLEAR ALL MEMOS? [NO] yes
4. Press the Y key to clear. (Press N if you decide not to clear.)	Y	COMPACT/C by ULTRATEC 07/22/02 04:25:37 PM

Checking Amount of Free Memory

Steps	Keys	Screens
1. Press the Memory Free key.	Ctrl + 7	9098 CHARACTERS FREE
2. After a few seconds, the display automatically returns to the conversation screen.		COMPACT/C by ULTRATEC 07/22/02 04:25:37 PM
• The amount of memory you see remaining applies only to Memos and the directory. It does not apply to conversation memory.		

DIRECTORY

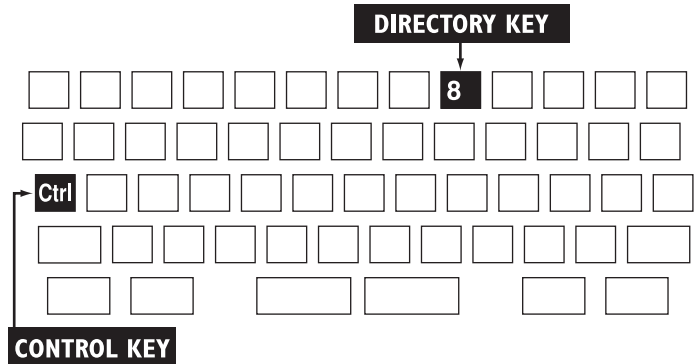You can use the Directory to save an alphabetical list of names with telephone numbers.

DIRECTORY KEY

CONTROL KEY

Entering a Name and Number

Steps	*Keys*	*Screens*
1. Press the Directory key.	`Ctrl` + `8`	NAME: ▮_____ PRESS SPACEBAR TO VIEW LIST
2. Type a name. This can be up to 17 letters, numbers, symbols or spaces. Press Enter.	`K` `I` `M` `↵`	NAME: KIM▮_____ <END OF DIRECTORY>
3. Type the number using up to 17 characters. You may use spaces, dashes, parentheses or commas. Press Enter.	`5` `5` `5` `Spacebar` `1` `2` `3` `4` `↵`	NAME: KIM▮_____ NUMBER: 555 1234▮_____
4. The name and number are displayed. Press the Escape key to return to the Conversation screen or type your next entry.		LIST>KIM 555 1234 <END OF DIRECTORY>
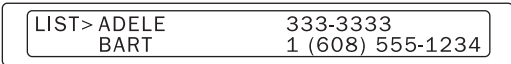
23
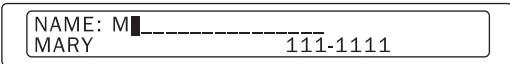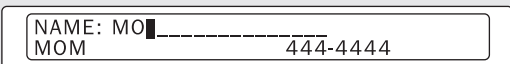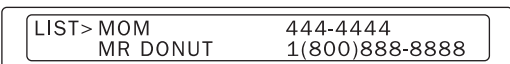
DIRECTORY

Viewing the Directory

Steps	Keys	Screens
1. Press the Directory key.	`Ctrl` + `8`	`NAME: ▊_____` `PRESS SPACEBAR TO VIEW LIST`
2. Press the Spacebar to see a list of names and numbers.	`Spacebar`	`LIST> ADELE          333-3333` `      BART        1 (608) 555-1234`
3. From the first line in the Directory, use the Down Arrow key to scroll through the list.	`⬇`	`LIST> JIM            555-3333` `      MOM            444-1234`
4. Keep pressing the Down Arrow key until you find the entry you want.	`⬇`	`LIST> ZESTY PIZZA    333-1234` `      <END OF DIRECTORY>`
5. Press the Escape key to return to the Conversation screen.	`Esc`	

Finding a Name in the Directory

Steps	Keys	Screens
1. Press the Directory key.	`Ctrl` + `8`	`NAME: ▊_____` `PRESS SPACEBAR TO VIEW LIST`
2. Type the first letter of the name you want to find. The first name that matches that letter is displayed.	`M`	`NAME: M▊_____` `MARY              111-1111`
3. If it is not the right entry, type the next letter. The next match is displayed.	`O`	`NAME: MO▊_____` `MOM               444-4444`
4. To see the whole list, press the Down Arrow key.	`⬇`	`LIST> MOM            444-4444` `      MR DONUT    1(800)888-8888`

24

Clearing a Name from the Directory

Steps	*Keys*	*Screens*
1. Press the Directory key. Then, press the Spacebar.	`Ctrl` + `8` `Spacebar`	`LIST> ADELE          333-3333` `     BART      1 (608) 555-1234`
2. Press the Down Arrow key until the name you want to clear is on the top line.	`↓`	`LIST> BART      1 (608) 555-1234` `     JIM           555-3333`
3. Press the Clear key.	`Ctrl` + `6`	`LIST> BART      1 (608) 555-1234` `CLEAR DIRECTORY ENTRY? [NO] yes`
4. Press the Y key to clear. (Press the N key if you decide not to clear.)	`Y`	`LIST> ADELE          333-3333` `     JIM           555-3333`
5. Press the Escape key to return to the Conversation screen.	`Esc`	`     COMPACT/C by ULTRATEC` `     07/22/02  04:25:37 PM`

C O D E S

Codes Available on the Compact/C

The Compact/C uses 45-baud Baudot code by default when it sends and receives signals. For faster calls and additional features, Turbo Code may be used. For calls placed to Australia, New Zealand, or South Africa, 50-baud Baudot code is also available.

Using Turbo Code®

About Turbo Code

Turbo Code is an improved version of Baudot code. It sends signals to other TTYs that have Turbo Code as fast as you type. Turbo Code allows you to interrupt the other person while he or she is

typing. It also allows you to send special characters such as the "@" symbol. The Compact/C only uses Turbo Code when you turn it on and then connect with another Turbo Code TTY. You know you are connected in Turbo Code when the τ_C symbol appears in the upper left corner of the display.

Turning on Turbo Code

Note: For best compatibility with digital wireless networks, do not turn on Turbo Code for calls using a digital cell phone.

You can switch from Baudot to Turbo Code at any time:

1. Hold down the Ctrl key and press the ⊟ key. You will see CODE: [BAUDOT] turbo/baudot on the display.

2. Press the Spacebar to change the setting to

[TURBO/BAUDOT] and press ↵.

3. Press the Spacebar to select [ON] . Then, press the Esc key.

Using 50-Baud Baudot Code

1. Hold down the Ctrl key and press the ⊟ key. You will see CODE: [BAUDOT] turbo/baudot on the display.

2. Press ↵. Then, press the Spacebar to select [50 BAUD].

3. Press the Esc key. You will return to the Conversation screen.

4. Turn the Compact/C off and then on again to return to 45–baud Baudot code.

C A R E   &   R E P A I R

General Care

Aside from changing the batteries, the Compact/C has no user-serviceable parts. Any repair work should be done by a qualified service technician.

Protect your Compact/C from dust, dirt and spills. Use a damp cloth to clean the plastic case. Never use liquid or aerosol cleaners on the Compact/C.

If You Have a Problem

1. Make sure you have followed the instructions in this book.

2. Read *Troubleshooting* below for suggestions.

3. If you still cannot solve the problem, contact Ultratec at:

(608) 238-5400 (V/TTY)
(800) 482-2424 (V/TTY)
(608) 238-3008 (Fax)
service@ultratec.com
www.ultratec.com

Troubleshooting

The Compact/C turns off after a few minutes on hold.

This is a feature to protect your battery charge if you accidentally leave the Compact/C on. To avoid having the Compact/C turn off by itself while you are on hold, occasionally press a key or the spacebar. If the Compact/C does turn off, you are not disconnected. Turn it back on and wait for a response.

The Signal light does not seem to work right during an acoustic call.

Adjust the fit of the telephone handset in the acoustic cups. You can move the right cup slightly if necessary to fit the telephone.

I am receiving text that is "garbled"

Press the Spacebar .

Recharge the batteries.

Refer to *Frequently Asked Questions for Wireless TTY Calling* on page 13 for more information about improving reception.

The Compact/C /C performs erratically.

The batteries may be low. Plug in the AC adapter. (Be sure that rechargeable NiCad batteries are being used.)

SPECIFICATIONS

Physical Dimensions
Size: 8.8 in. x 4 in. x 1.25 in.

Weight (including batteries): 1 lb. 2 oz.

Power
AC adapter: 9VDC, 200 mA (barrel is positive)

Batteries: 5 user-replaceable, NiCad, AA rechargeable

Keyboard
57 keys in 5 rows; Control plus 15 function keys

Character set: A-Za-z0-9!'"$()+=?,. and special characters

Display
Backlit, liquid crystal

Two 40-character lines

Connections
3.5 mm audio jack for connection to compatible cellular and cordless phones

Acoustic Coupler
Accepts both circular and square telephone handsets

Communication Codes

Baudot code:
45.5-baud or 50-baud
Output: 100 dBSPL (min)

Turbo Code:
100 baud (average)
7 data bits

Memory
32K (approximately 32,000 characters)

Non-volatile

Stores unlimited Memos and Directory entries (total of 9.5K)

Stores recent TTY Conversations (22K)

Records Conversations to Memos

Memory edit functions: search, insert, delete, clear

FCC Information

The Compact/C has been tested and found to comply with the specifications for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and uses 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 to correct the interference by one or more of the following measures:

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

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

Ultratec National Service Center
5901 Research Park Blvd.
Madison, WI 53719

email: service@ultratec.com

For repair or warranty information, please contact Ultratec Inc. Customer Service at (608) 238-5400

(V/TTY). If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Other than replacing the batteries, the Compact/C does not have any user-serviceable parts. Modification or changes to the Compact/C not expressly approved by Ultratec, Inc. can void your authority to operate the TTY.

INDEX

Acknowledgement

In 1963, Dr. Robert H. Weitbrecht, an American physicist who was deaf, developed an acoustic coupler that could send and receive teletypewriter signals over the telephone lines. His invention, the Weitbrecht Modem, enabled people who are deaf to use the telephone for the first time. While modern technology now makes it possible to build advanced microcomputer devices like your new Ultratec TTY, the Weitbrecht modem remains the major technological breakthrough that began telecommunications for the deaf. Ultratec wishes to acknowledge the importance of Dr. Weitbrecht's contribution to the welfare of people who are deaf the world over.
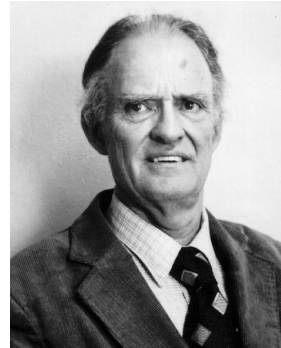
Dr. Robert H. Weitbrecht, 1920–1983, inventor of the first TTY modem.

Ultratec, Inc.
450 Science Dr.
Madison, WI 53711

(608) 238–5400 (Voice/TTY)
(608) 238–3008 (Fax)

service@ultratec.com
www.ultratec.com

TTY ETIQUETTE

GA means "Go ahead." When two people converse by TTY, one types while the other reads. How does each person let the other know it's his or her turn to type? By typing "GA."

SK means "I'm done." It means the conversation is over. "GA or SK" is a polite way to say goodbye, giving the other person a chance to get in any last thoughts before hanging up.

Q is often used instead of a question mark, because it's easier to type. Using other punctuation marks is up to you. Some people use periods and commas, others don't.