EXPAND YOUR SYSTEM!

TXC 400 HANDSET + CHARGER

Easily expand your cordless phone system by adding the

TXC 400 Handset and Charger*. The TXC 400 gives you the

mobility you need to stay connected with friends and family.

Place this handset and charger in any convenient location.

Great for home or small office environments. Another

innovation from Uniden, the company that brings

you a world without wires.

* Dual Handset Cordless
Systems include: TRU 446,
TRU 448, TRU 4465, TRU 4485

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⋗ 2.4GHz Cordless Handset
   and Charging Cradle

⋗ Digital Spread Spectrum

⋗ Optional Handset/Charger
   for Dual Handset
   Cordless Systems
   TRU 446,   TRU 448,
   TRU 4465 and TRU 4485.

⋗ Call Transfer

⋗ Caller ID/Call Waiting

**MAXIMUM:
2 HANDSETS PER SYSTEM**

**QUICK
EASY STEPS**
FOR SETTING UP YOUR PHONE!
SEE YOUR QUICK REFERENCE GUIDE SECTION

Uniden®
OWNER'S MANUAL

**BUY
ADDITIONAL
HANDSET
FOR TRU 448**
(see back
for details)

x2.4GHz
DUAL HANDSET CORDLESS SYSTEM

TRU 448/448-2 Series

www.uniden.com

Contents

Welcome

Congratulations on your purchase of the Uniden cordless telephone. This phone is designed and engineered to exacting standards for reliability, long life and outstanding performance. To enjoy the best performance from this phone's features, please read this manual carefully and save it for future reference.

Note: Some illustrations in this manual may differ from the actual unit for explanation purposes.

As an Energy Star® Partner, Uniden has determined that this product or product models meets the Energy Star® guidelines for energy efficiency.
Energy Star® is a U.S. registered mark.

Features

- 2.4 GHz Spread Spectrum Technology
- Integrated Answering Device
  (Trilingual Announcement Option)
- Two Handset Expandability
- Caller ID and Call Waiting Caller ID
- Dynamic Memory Location for Caller ID
  Messages and Phonebook Locations
  (up to 100 numbers in total)
- Trilingual Language Option
- 6 Hour Talk Time
- 10 Day Standby Battery Life
- 3-Line, 16 Character Backlit Handset Display
- One Touch Dialing
- Call Transfer
- 32 Digit Redial / 3 Last Number Redial Locations
- 10 Distinctive Ring Options
  (6 ringers and 4 melodies)
- Flash and Pause
- Find Handset
- Hearing Aid Compatible
- Tone/Pulse Dialing
- Handset Earpiece and Ringer Volume Control
- Base Speaker Phone
- 3-way Conference Operation
- Handset Remote Operation

The TRU448 series features include *AutoTalk*™ and *AutoStandby*™. AutoTalk allows you to answer a call by just removing the handset from the base so you don't have to waste time pushing buttons. AutoStandby allows you to hang up by simply returning the handset to the base.

To protect you against mis-billed calls, which might result from your phone being activated by other equipment, the TRU448 series has *Random Code*™ digital security, which automatically selects one of over 65,000 digital security codes for the handset and base. Also, *AutoSecure*™ electronically locks your phone when the handset is in the base.

RocketDial™ is a one touch speed dial key that automatically dials your most important or frequently called number. The number dialed, is a preset number stored by the user.

Digital Spread Spectrum Technology utilizes a "wider frequency band" vs. a "single narrow band" used in standard digital transmissions. The result is a more secure conversation with the clarity of digital sound, extended range, and minimal interference from other cordless phones.

**Be sure to visit our web site: www.uniden.com**
Uniden® is a registered trademark of Uniden America Corporation.
AutoTalk, AutoStandby, Random Code, AutoSecure, and RocketDial are trademarks of
Uniden America Corporation.
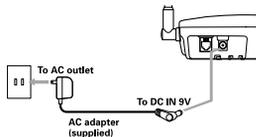
Step 1 Charging the Battery

INSTALL THE HANDSET BATTERY

1 Remove the cover.

2 Connect the battery pack connector with the correct polarity.

Black — Red

Black Red

3 Replace the cover.
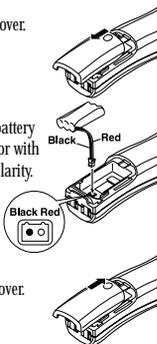
PLUG INTO AC POWER

1 Plug the AC adapter cord into the base unit and then to a 120V AC outlet.

To AC outlet

To DC IN 9V

AC adapter (supplied)

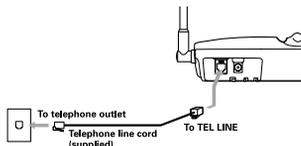**2** Place the handset in the base .

Note: You must charge the battery pack continuous for 15-20 hours before using the phone.

Step 2 Connecting

CONNECT TO A PHONE LINE

When the handset battery pack is fully charged, plug the telephone cord into the base unit and then into a telephone wall jack.

To telephone outlet

Telephone line cord (supplied)

To TEL LINE

Your phone is set for tone dialing. If your local network requires pulse dialing, please see "Setting up the phone, Choose the dialing mode" in your owner's manual.

Step 3 Setting up the Caller ID Options/Language
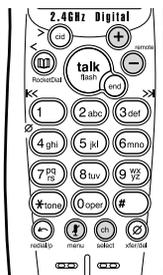
Note: **Three Caller ID options are available: Auto Talk, Caller ID on Call Waiting (CIDCW) and Area Code.**

TO SELECT CALLER ID OPTIONS

1 Press *menu/mute*.

2 Press + or - to move the pointer to "`Caller ID Setup`", then press *select/ch*.

3 Press + or - to move the pointer to an option, then press *select/ch*.

4 Press + or - to change the option setting.

5 Press *select/ch* and return the handset to the base.

TO CHOOSE THE LANGUAGE

1 Press *menu/mute*.

2 Press + or - to move the pointer to "`Language`", then press *select/ch*.

3 Press + or - to change the option setting.

4 Press *select/ch* and return the handset to the base.

Step 4 Setting Up Answering System

TO TURN THE ANSWERING SYSTEM ON/OFF

Press *answer on/off* to turn On the system. To turn Off the system, press *answer on/off* again.

TO SET GREETING MESSAGE

1 Press and hold *greeting*.

2 Start recording your message. Position yourself as near to the base as possible.

3 When finished, press *greeting* or ▷/□ .

Controls and Functions
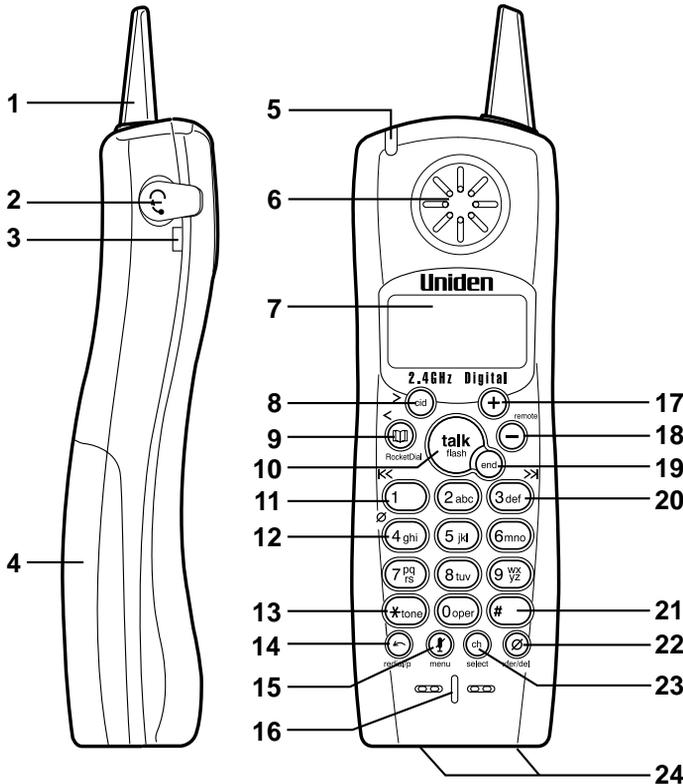
1. Handset Antenna
2. Headset Jack Cover
3. Beltclip Hole
4. Handset Battery Compartment
5. New Message LED
6. Handset Earpiece
7. LCD Display
8. CID (Caller ID)/> (right cursor) Key
9. ▥ (Phonebook)/RocketDial/< (left cursor) Key
10. Talk/flash Key
11. ⟪ (repeat)/1 Key
12. Ø (delete) (for remote operation)/4 Key
13. */tone Key
14. ↰ (redial)/p (pause) Key
15. ♦ (mute)/menu Key
16. Handset Microphone
17. + (up) Key
18. - (down)/remote Key
19. End Key
20. ⟫ (skip)/3 Key
21. # Key
22. Xfer (transfer)/ Ø del (delete) Key
23. Ch (channel)/select Key
24. Handset Charging Contacts

(TRU448-2 only)
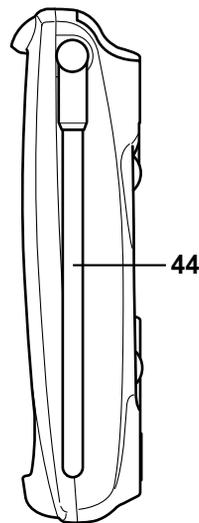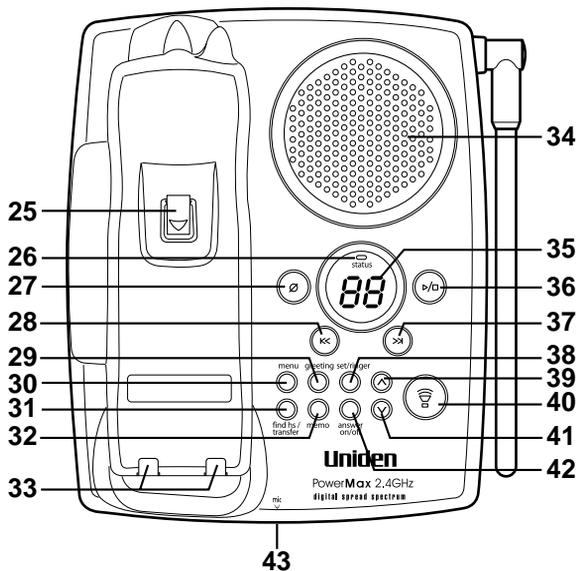
34. Base Speaker
35. Message Counter Display
36. ▷/□ (play/stop) Key
37. ⊁ (skip) Key
38. Set/ringer Key
39. ∧ (up) Key
40. ☎ (talk) Key/speaker LED
41. ∨ (down) Key
42. Answer on/off Key
43. Microphone
44. Base Antenna
45. Telephone Line Jack
46. DC IN 9V Jack
47. Charging Contacts (TRU448-2 only)
48. Charge LED (TRU448-2 only)
49. DC Power Input (TRU448-2 only)
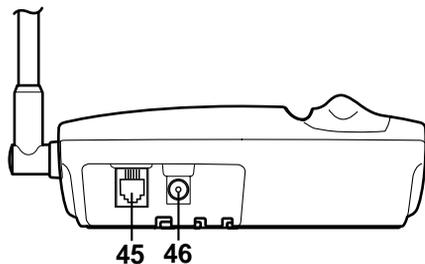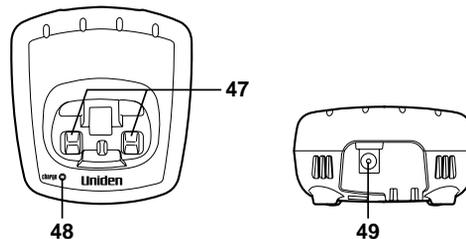
25. Handset retainer clip
26. Status LED
27. ∅ (delete) Key
28. ⊀ (repeat) Key
29. Greeting Key
30. Menu Key
31. Find hs/transfer Key
32. Memo Key
33. Base charging contacts

Read this First

This cordless telephone must be set up before use. Follow these steps:

Step 1 (page 9)
Unpack the telephone and accessories.

Step 2 (page 10)
Next, choose the best location to set up the base unit.

Step 3 (page 11 to 14)
Then, insert the battery pack into the handset. Connect the base unit. You must charge the battery pack **for 15-20 hours before plugging into the phone line and using the phone.**

Step 4 (page 17 to 19)
Finally, set the Caller ID options, and store your area code in the memory to use the Caller ID service. Choose the language of your display.

Note: Skip the area code setting if your calling area requires 10-digit dialing.

About the digital security code
This cordless telephone uses a digital security code to prevent unauthorized access to your base unit. This security code prevents other cordless handsets from making calls through your base unit. If you want to reset the security code, see page 57.

Checking the Package Contents

Make sure you have received the following items in the package. If any of these items are missing or damaged, contact the Uniden Parts Department.

- Base unit (1)
- Handset [TRU448 (1) / TRU448-2 (2)*]
- AC adapter [TRU448 (1) / TRU448-2 (2)]
- Rechargeable battery [TRU448 (1) / TRU448-2 (2)]
- Long telephone cord (1)
- Short telephone cord (1)
- Beltclip [TRU448 (1) / TRU448-2 (2)]
- Charger (1) [TRU448-2 only]

Also included:
- This Owner's Manual
- Other Printed Material

* For operations and restrictions on the second handset, read "Expanding Your Phone" on page 53.

Uniden Parts Department
(800) 554-3988
Hours: M-F 7:00 a.m. to 5:00 p.m. CST.
We can also be reached on the web at **www.uniden.com.**

Setting up the Phone

Do the following steps:

A. Choose the best location   C. Connect the base unit

B. Install the battery pack   D. Choose the dialing mode

A. Choose the best location

Before choosing a location for your new phone, read "Installation Considerations" on page 64. Here are some important guidelines you should consider:

Avoid heat sources, such as radiators, air ducts, and sunlight

Avoid television sets and other electronic equipment

Avoid noise sources such as a window by a street with heavy traffic

Avoid microwave ovens

Avoid excessive moisture, extremely low temperatures, dust, mechanical vibration, or shock

Avoid personal computers

Choose a central location

Avoid other cordless telephones
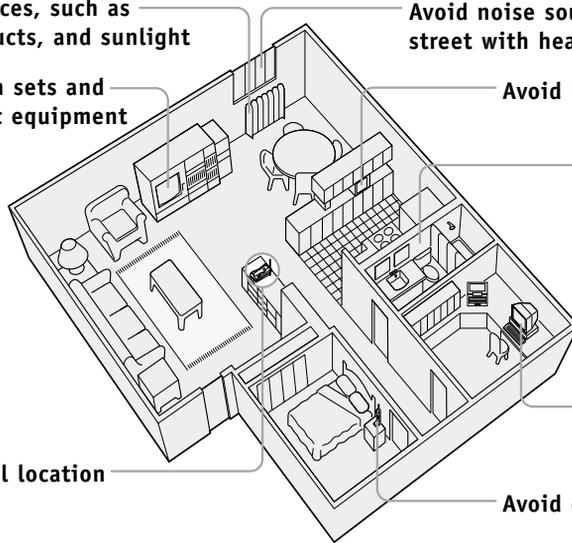
B. Install the battery pack

Charge the battery pack for at least 15-20 hours before plugging the phone line into your base unit.

1) Press down on the battery cover release and slide the cover down until it comes off.

2) Connect the battery pack connector observing the correct polarity (black and red wires) to the jack inside the battery compartment.

   Do not exert any force on this connection. It could cause damage to the battery or to the handset. The plastic connectors will fit together in only one way. Once you are certain that you have made a good connection, then insert the battery pack into the battery compartment. Do not pinch the wires.

3) Securely close the battery compartment cover by sliding it up until it snaps into place.

4) Place the handset in the charging cradle with the keypad either facing up or down.

Black — Red

Black Red

---

note
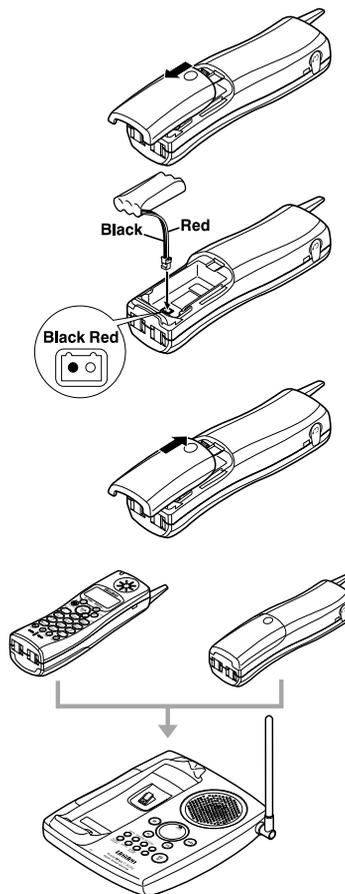
- **Use only the Uniden battery (BT-446) supplied with your phone.** Replacement batteries are also available through the Uniden Parts Department. (See page 9.)

- Recharge your phone on a regular basis by returning the handset to the base after each phone call.

Battery use time (per charge)

Fully charged
- 6 hours continuous use
- 10 days when the handset is in the standby mode

note When you charge the handset, Caller ID summary screen and the name of the handset, HS1 appears. For TRU448-2, if HS2 appears, you are charging the handset No.2.

```
                      HS1
 New  :   1
 Total:   2
```
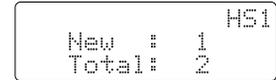
Low battery alert

When the battery pack is very low and needs to be charged, the phone is programmed to eliminate functions in order to save power. If the phone is in the standby mode, "Low Battery" appears on the LCD and none of the keys will operate. If the phone is in use, "Low Battery" appears and the handset beeps. Complete your conversation as quickly as possible and return the handset to the base unit for charging.

```
 Low Battery
```
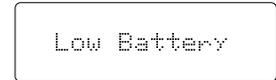
note The last number dialed in the redial memory is retained for up to 2 minutes while you replace the battery pack.

Cleaning the battery charging contacts

To maintain a good charge, it is important to clean the battery contacts on the handset and base unit with a dry cloth or a pencil eraser about once a month. Do not use any liquids or solvents.

contacts
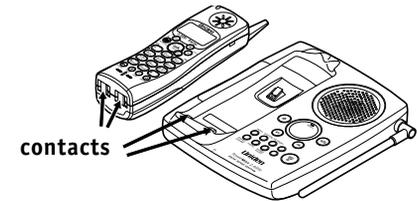
C. Connect the base unit

1) Connect the AC adapter to the *DC IN 9V* jack and to a standard 120V AC wall outlet.

2) Set the base and charger (for TRU448-2 only) on a desk or tabletop, and place the handset in the base unit as shown.

3) Raise the antenna to a vertical position.

4) Make sure the status LED illuminates. If the LED does not illuminate, check to see that the AC adapter is plugged in and that the handset makes good contact with the base charging contacts.

Route the cord.
To AC outlet
To DC IN 9V
AC adapter (supplied)
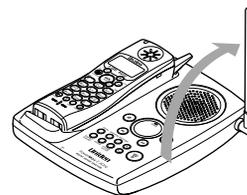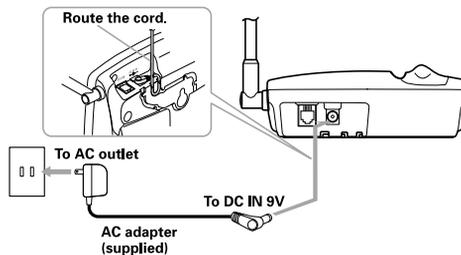
note
- **Use only the supplied AD-312 AC adapter.**
  Do not use any other AC adapter.
- Connect the AC adapter to a continuous power supply.
- Place the base unit close to the AC outlet so that you can unplug the AC adapter easily.

• After installing the battery pack in the handset, charge your handset at least **15-20 hours before plugging into the phone line**. Once the handset battery pack is fully charged, connect the telephone line cord to the base and telephone wall outlet.

5) Connect the telephone line cord to the *TEL LINE* jack and to a telephone outlet once the handset is fully charged.

tip If your telephone outlet isn't modular type, contact your telephone company for assistance.

Modular
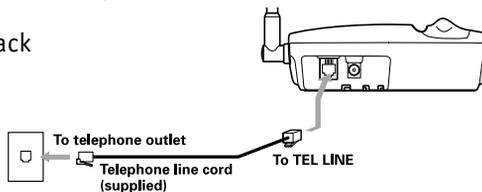
To telephone outlet
Telephone line cord (supplied)
To TEL LINE

Place the power cord so that it does not create a trip hazard or where it could become chafed and create a fire or electrical hazard.

D. Choose the dialing mode

Most phone systems use tone dialing, which sends DTMF tones through the phone lines. However some phone systems still use pulse dialing such as in rural areas. The default setting is tone dialing. Depending on your dialing system, set the mode as follows:

1) When the phone is in the standby mode, press **menu/mute**.

    ```
    ▶Ringer Volume
     Ringer Tones
     Distinct. Ring
    ```

2) Press **-** to move the pointer to "Dial Mode".

    ```
     Distinct. Ring
     Caller ID Setup
    ▶Dial Mode
    ```

3) Press **select/ch** and the display will show the current setting. (The initial setting is Tone.)

    ```
    ▶Tone  Dialing
     Pulse Dialing
    ```

4) Press **+** or **-** to change the selection.

5) Press **select/ch** and a confirmation tone will sound.

6) Press **end** to exit.

Terminology

Throughout this manual, terms such as Standby and Talk Mode are used. Below is the terminology explanation.

Standby Mode - The handset is not in use, is off the base, and **talk/flash** has not been pressed. A dial tone is not present and the display is blank.

Talk Mode - The handset is not on the base and **talk/flash** has been pressed enabling a dial tone. "Talk" appears on the display.

Mounting the Base Unit on a Wall

Setting the handset retainer clip for wall mounting

1) On the base unit, pull the handset retainer out of the slot. Rotate it clockwise 180 degrees.

2) Flip the retainer from front to back. Slide it back into the slot so that the lip of the retainer is up and the oval is down. The retainer holds the handset in place.

Handset retainer
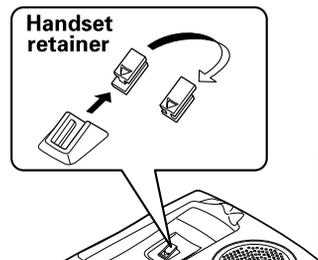
Standard wall plate mounting

This phone can be mounted on any standard telephone wall plate.

1) Plug the AC adapter into the **DC IN 9V** jack. Route the AC adapter cord inside the molded wiring channel as shown.

2) Plug the AC adapter into a standard 120V AC wall outlet.

3) Plug the short telephone line cord into the **TEL LINE** jack. Route the cord inside the molded wiring channel as shown.

4) Plug the telephone line cord into the telephone outlet.

5) Raise the antenna to a vertical position.

6) Align the mounting slots on the base with the mounting posts on the wall. Push in and down until the phone is firmly seated.

Wall plate

AC adapter
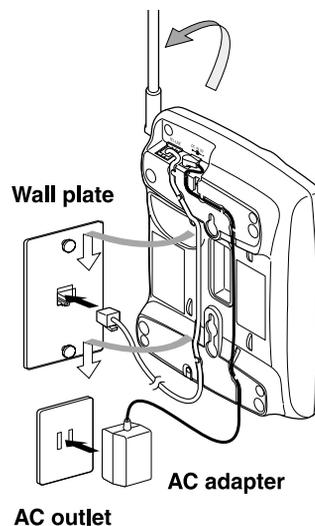
AC outlet

Do not use an outlet controlled by a wall switch.

Direct wall plate mounting

If you don't have a standard wall plate, you can mount your phone directly to the wall. Before doing this, consider the following:

- Avoid electrical cables, pipes, or other items behind the mounting location that could cause a hazard when inserting screws into the wall.
- Try to mount your phone within 10 - 15 feet of a working phone jack to avoid excessive cord lengths.
- Make sure the wall material is capable of supporting the weight of the base and handset.
- Use #10 screws (minimum length of 1-3/8 inches) with anchoring devices suitable for the wall material where the base unit will be placed.

1) Insert two mounting screws into the wall, (with their appropriate anchoring device), 3-15/16 inches apart. Allow about 1/8 of an inch between the wall and screw heads for mounting the phone.

2) Set the retainer clip if necessary.

3) Refer to steps 1 through 6 on page 15 to mount the telephone.

TOP

1/8 in.

3-15/16 in.

1-3/8 in.
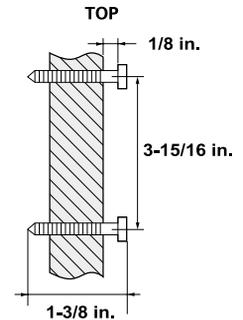
Setting Caller ID Options

There are three Caller ID setup options available: AutoTalk, CIDCW (Caller ID on Call Waiting), and Area Code. See page 18 for Area Code setup instructions.

AutoTalk allows you to answer the phone without pressing **talk/flash**. If the phone rings when AutoTalk is On, simply remove the handset from the base and the phone automatically answers the call. Or if the handset is not on the base, press any number key, ∗ **tone**, or **#** to answer the call. If you set AutoTalk to Off, you must press **talk/flash** to answer the call.

Caller ID on Call Waiting (CIDCW) performs the same as regular Caller ID on a call waiting number. CW Deluxe allows you to handle call waiting calls in seven different ways. (See page 39.)

You must subscribe to CIDCW from your phone company in order to use this feature. The CW Deluxe is a separate service available through your phone company.

To change your Caller ID options:

1) When the phone is in the standby mode, press **menu/mute**.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

2) Press **+** or **-** to move the pointer to "Caller ID Setup", then press **select/ch**.

```
 Ringer Tones
 Distinct. Ring
▶Caller ID Setup
```

3) Press **+** or **-** to choose "Auto Talk" or "CIDCW", then press **select/ch**.

```
▶Auto Talk
 CIDCW
 Area Code
```

4) Press **+** or **-** to change the selection.
   AutoTalk: "Auto Talk On" or "Auto Talk Off"

```
 Auto Talk On
▶Auto Talk Off
```

   CIDCW: "CIDCW On", "CW Deluxe On" or "CIDCW Off"

```
▶CIDCW On
 CW Deluxe On
 CIDCW Off
```

5) Press **select/ch** and a confirmation tone will sound. To complete the setting, make sure to return the handset to the base.

- If your calling area requires 10-digit dialing, do not program this option.
- When the area code has already been stored in memory, the stored area code will be displayed. To change it, press *xfer/del* and the number keypad to enter the new area code.
- To complete the setting, press *select/ch*, then return the handset to the base.

Entering your Area Code

If you enter a 3-digit area code number in the "Area Code" option, your local area code does not appear in Caller ID messages. For calls received from outside your local area code, you will see a full 10-digit number.

1) When the phone is in the standby mode, press *menu/mute*.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

2) Press **+** or **-** to move the pointer to "Caller ID Setup", then press *select/ch*.

```
 Ringer Tones
 Distinct. Ring
▶Caller ID Setup
```

3) Press **+** or **-** to move the pointer to "Area Code", then press *select/ch*.

```
 Auto Talk
 CIDCW
▶Area Code
```

4) Use the number keypad (**0** to **9**) to enter a 3-digit area code.

```
    Area Code
▮
```

5) Press *select/ch*, and a confirmation tone will sound.

Selecting a Language

Language option can be used to choose the language of your display. You can select English, French, or Spanish.

1) When the phone is in the standby mode, press **menu/mute**.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

2) Press **-** to move the pointer to "Language", then press **select/ch**.

```
 Caller ID Setup
 Dial Mode
▶Language
```

3) Press **+** or **-** to choose English, French (Français), or Spanish (Español).

```
▶English
 Français
 Español
```

4) Press **select/ch**, and a confirmation tone will sound.

Making and Receiving Calls

From the handset

	Handset On Base	Handset Off Base
To answer a call	Pick up the handset (AutoTalk) or pick up the handset and press **talk/flash**.	Press any number key, *_tone_, or **#** (Any Key Answer), or press **talk/flash**.

To make a call	1) Pick up the handset.
	2) Press **talk/flash**.
	3) Listen for the dial tone.
	4) Dial the number.
	      OR
	1) Pick up the handset.
	2) Dial the number, then press **talk/flash**.
		1) Press **talk/flash**.
		2) Listen for the dial tone.
		3) Dial the number.
		
		      OR
		Dial the number, then press **talk/flash**.

To hang up	Press **end**, or return the handset to the base (AutoStandby).	
To enter a pause within the dialing sequence	When you dial the number, press **redial/p** before pressing **talk/flash**. "℗" appears in the display which represents a pause.	

From the base (Receiving calls only)

1) Press ☎ (talk) and begin speaking.

2) To hang up, press ☎ (talk).

note The base microphone is located under the base. Position yourself as near to the base as possible.

Uniden

PowerMax 2.4GHz
digital spread spectrum
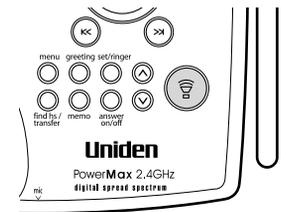
Redialing a Call

The last three phone numbers dialed can be quickly redialed.

Redialing from Standby Mode

1) Press *redial/p*. The phone number that was last dialed appears on the display.

2) Press *redial/p* again. Each press of *redial/p* will display one of the last three numbers dialed.

3) Press *talk/flash*. The selected number is dialed. To hang up, press *end*.

```
   <Redial1>
8002971023
```

redial/p ⬇

```
   <Redial2>
2145551234
```

redial/p ⬇

```
   <Redial3>
9725554321
```
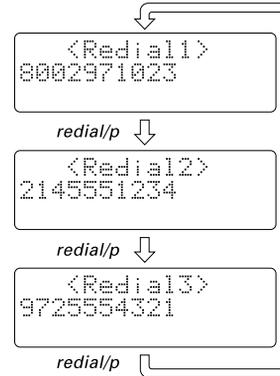
redial/p

Redialing from Talk Mode

1) Press *talk/flash*.

2) Press *redial/p*. The last number dialed will be displayed and redialed. To hang up, press *end*.

note

- If the number exceeds 32 digits, only the first 32 digits are retained for redial.

- If you have not pressed any key for 30 seconds, the phone returns to standby mode.

- If you press *end*, the operation is canceled and the phone will return to the standby mode.

- If the redial memory is empty, you will hear a beep.

- When using the redial feature in talk mode, only the last number dialed will be displayed.

B A S I C S

Ringer Volume Setup

1) When the phone is in the standby mode, press **menu/mute**.

2) Press **select/ch**.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

3) Press **+** or **-** to move the pointer through the ringer settings (Ringer Off, Ringer Low, or Ringer High).
   You will hear a ringer or melody at the selected volume.

```
 Ringer Off
 Ringer Low
▶Ringer High
```

4) Press **select/ch**, and you will hear a confirmation tone.

Ringer Mute (temporarily)

You can temporarily mute the ringer tone. When the handset is off the base and the phone is ringing, press **end**. The ringer tone will return to the previous setting starting with the next incoming call.

Ringer Tone Setting

1) When the phone is in the standby mode, press **menu/mute**.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

2) Press **-** to move the pointer to "Ringer Tones", then press **select/ch**.
   You can choose from 6 ringers or 4 melodies:
   - Ringer   [Flicker, Clatter, Leap Frog, Ping Ball, Reminder, Soft Alert]
   - Melodies [Beethovens9, For Elise (Elise), Merry Christmas (Merry-Xmas), Home Sweet Home (Hm Swt Hm)]

```
 Ringer Volume
▶Ringer Tones
 Distinct. Ring
```

3) Press **+** or **-** to move the pointer. You will hear the ringer or the melody as you scroll through the options.

```
▶Flicker
 Clatter
 Leap Frog
```

4) Press **select/ch** and you will hear a confirmation tone.

Distinctive Ringer Setup

"Distinctive Ringer" allows you to preset memory locations with a designated ring tone. When an incoming call is received and the Caller ID information matches the information in one of the memory locations, the Distinctive Ring that has been stored for that particular caller will sound.

If you have set multiple memory locations with distinctive rings, switching the setting to "Distinctive Off" will result in no distinctive ringing. All incoming calls will have a normal ring tone. Switching to "Distinctive On" will activate all programmed distinctive ring memory locations.

1) When the phone is in the standby mode, press *menu/mute*.

2) Press **-** to move the pointer to "Distinct. Ring", then press *select/ch*.

3) Press **+** or **-** to choose "Distinctive On" or "Distinctive Off".

4) Press *select/ch* and you will hear a confirmation tone.

```
▶Ringer Volume
 Ringer Tones
 Distinct. Ring
```

```
 Ringer Volume
 Ringer Tones
▶Distinct. Ring
```

```
▶Distinctive On
 Distinctive Off
```

Adjusting the Earpiece Volume

The handset earpiece volume settings (Volume Low, Volume Medium, Volume High, and Volume Maximum) can only be adjusted during a call. Press **-** or **+** to select the volume setting. When you hang up, the phone keeps the last volume setting selected.

note When you press **+** in maximum volume level or **-** in lowest volume level, an error tone sounds.

BASICS

Mute Microphone

You can temporarily turn Off the microphone so that the person you are talking with cannot hear you. During a telephone call press and hold **menu/mute** to turn Off the microphone, and "Mute" appears on the display. Press **menu/mute** again to cancel muting.

note | If you press **end** to cancel muting, the call is disconnected and the phone will return to standby mode.
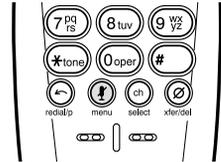
Tone Dialing Switch-over

Some telephone companies use equipment that requires pulse dialing (sometimes referred to as rotary dialing). If you need to enter tone dialing digits, you can switch-over to tone dialing during the call. For example, entering your bank account number after you have called your bank.

Initially make your call with the pulse dialing mode. Once your call connects, press *****tone**. Enter the desired number. These digits will be sent as tone dialing. Once the call ends, the tone mode is canceled and pulse dialing mode resumes.
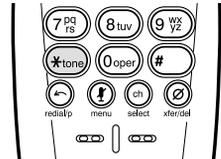
Traveling Out-of-Range

During a call, as you begin to move your handset too far from your base unit, noise increases. If you pass the range limits of the base unit, your call will terminate within 30 seconds.

note

- The tone feature only applies when the dial mode is set to pulse.
- This special number can be stored in a memory location. This is referred to as Chain Dialing. (See page 34.)

Selecting a Different Channel

If you encounter interference while using your phone, you can manually change the phone's channel for clear operation. This function works only when the phone is in use.

Press **select/ch**. "Scanning" appears on the display, indicating the phone is changing to another channel. For more information on interference, refer to "Radio Interference" on page 64.

Find Handset

To locate the handset, press **find hs/transfer** on the base. The handset beeps for 60 seconds, and "Paging" appears on the display.
Paging is canceled when pressing any key on the handset or **find hs/transfer** on the base. Additionally, if you receive an incoming call, page is canceled.

3-Way Conferencing

The Uniden TRU448 series permits 3-way conversations between the handset, base, and an outside line.

When speaking on the handset

1) Press ☎ (talk) on the base to initiate the 3-way conversation.
2) To hang up, press ☎ (talk) on the base. The handset will still be connected to the call.
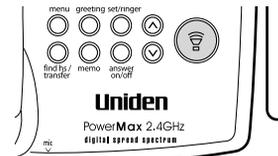
When speaking on the base

1) Press **talk/flash** on the handset to initiate the 3-way conversation.
2) To hang up, return the handset to the base, or press **end** on the handset. The base will still be connected to the call.

note

- If the handset battery is completely drained, the handset will not beep when paging.
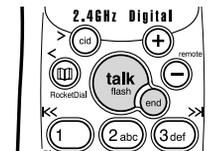
- If you press **xfer/del** on the handset during the 3-way conversation, you will hear a beep.
- During the 3-way conversation, all the base keys except ☎ (talk) and volume ∧ ∨ are disabled.

Transferring a Call

- If you transfer a call and it is not picked up after 5 minutes, the call will be disconnected. The handset returns to the standby mode.
- Returning the handset to the base will not cancel the transfer.
- When the handset is off the base, and if you place the handset on the base while the transfer tone sounds, you can receive a transferred call by picking up the handset (When the AutoTalk is On).

To transfer from the handset to the base

1) Press **xfer/del** on the handset during a call. The call will automatically be placed on hold and the transfer tone sounds on the handset and the base.

```
Hold
Transfer Call
```

2) Press ☏ (talk) on the base to receive a transferred call. The handset will return to the standby mode. To cancel the transfer, press **xfer/del** or **talk/flash**.

note While transferring a call, keys on the handset except **talk/flash** and **xfer/del** are disabled.

To transfer from the base to the handset

With the **find hs/transfer** key

1) Press **find hs/transfer** on the base during a call. The call will automatically be placed on hold and the transfer tone sounds on the handset and the base.

```
Transfer Call
```

2) Press **talk/flash** on the handset. (Pick up the handset from the base, or press the number keypad, ∗**tone**, or **#** (when the AutoTalk is On)). The transfer tone stops. To cancel the transfer, press **find hs/transfer** or ☏ (talk) on the base.

note
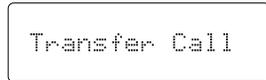
While transferring a call, keys on the base except ☏ (talk) and **find hs/transfer** are disabled.

With the Speakerphone feature

When the Speakerphone is in use and the handset is on the base, a call will be transferred to the handset when you pick up the handset from the base.

For the call transfer between the second handset and the handset or the base, see "Call Transfer Feature" on page 54.

Flash and Call Waiting

If you have **Call Waiting** service and a call waiting tone sounds while you are on a call, press *talk/flash* to accept the waiting call. There is a short pause, then you will hear the new caller. To return to the original caller, press *talk/flash* again.
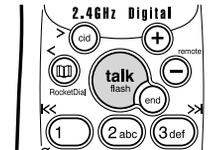
New Message LED

The New Message LED on the handset is designed to work with your answering system. The LED flashes when you have new messages in your answering system.

The LED stops flashing when all new messages are played back (see "Using your Answering System" on page 47).

note
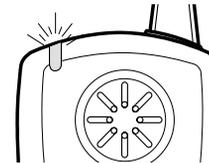
You must subscribe through your local telephone company to receive Call Waiting Service.

Phonebook

Phonebook allows you to dial a number using just a few key presses.
Your phone stores names/numbers in the phonebook memory location, and you can search names in alphabetical order. You have a total of 100 locations that can be used for the phonebook (including the Speed dial locations) and Caller ID messages.

(note) If you get an incoming call, a transferring call, or page, the operation is canceled.

Storing Phone Numbers, Names, Distinctive Rings, and Speed Dial

1) When the phone is in the standby mode, press *pb/rocket/<*. The handset displays the number of the phonebook locations used, and information on searching and storing phonebook locations.
(1st line) the number of the phonebook locations used
(2nd line) How to search (the number keypad, *+* or *-*)
(3rd line) How to enter the storing operation (Press *select/ch*)

```
Phonebook : 85
Search [A-Z/↑/↓]
Store  [select]
```

2) Press *select/ch*, then "Store/Edit Name" appears.

```
Store/Edit Name
▓
```

3) Store the name (up to 16 characters) by using the number keypad.
   • See the "Steps for entering names and special characters" (see page 29).
   • Use *cid/>* and *pb/rocket/<* to move the cursor to the desired location.
   • Use *xfer/del* to delete characters as needed.
   • Press and hold *xfer/del* to delete all the characters.
   If a name is not required, go to step 4.

4) Press *select/ch* to store the name, then
"Store/Edit No." appears.

```
Store/Edit No.
▓
```

5) Press the number keypad to enter the phone number (up to 20 digits),
then press *select/ch* to store the number.

---

6) "`Distinctive Ring`" appears. Then press **+** or **-** to move the pointer to one of the Distinctive Ring options, then press ***select/ch***.

If you choose not to store a "`Distinctive Ring`", simply select the "`No Selectn`" option.

7) "`Speed Dial`" appears. Then press **-** to move the pointer to select the speed dial location (10 locations: SPD1-SPD0).

If you choose not to store the name/number as a Speed Dial, simply select the "`No Selectn`" option.

8) Press ***select/ch***. You will hear a confirmation tone and "`Done!`" appears on the display.

```
Distinctive Ring
▶No Selectn
 Flicker
```

```
   Speed Dial
▶No Selectn
 SPD1:Uniden Cor
```

```
Uniden Corp
800-297-1023
♪Soft Alert/SPD1
```

Steps for Entering Names and Special Characters

Refer to the letters on the number keys to select the desired characters. With each press of a number key (0-9), the displayed character appears in the following order: Upper case letters first, lower case letters next and finally the number corresponding to the key.

keys	Number of times key is pressed								
	1	2	3	4	5	6	7	8	9
1	1								
2abc	A	B	C	a	b	c	2		
3def	D	E	F	d	e	f	3		
4ghi	G	H	I	g	h	i	4		
5jkl	J	K	L	j	k	l	5		
6mno	M	N	O	m	n	o	6		
7pqrs	P	Q	R	S	p	q	r	s	7
8tuv	T	U	V	t	u	v	8		
9wxyz	W	X	Y	Z	w	x	y	z	9
0	*	#	−	&	(	)	(blank)	0	

If you make a mistake while entering a name
Use *pb/rocket/<* or *cid/>* to move the cursor to the incorrect character. Press *xfer/del* to erase the wrong character, then enter the correct character. To delete all characters, press and hold *xfer/del*.

For example, to enter **Uniden**:

1) When the phone is in the standby mode, press *pb/rocket/<*. The handset displays the number of phonebook locations you have stored, and how to search and store the phonebook locations.
2) Press *select/ch*, then "Store/Edit Name" appears.
3) Press *8* twice.
4) Press *6* five times.
5) Press *4* six times.
6) Press *3* four times, then press *cid/>* to move the cursor to the right.

note If the next character uses the same number key, you must press *cid/>* to move the cursor over. Otherwise the next time you press the number key, it changes the character that was previously set.

7) Press *3* five times.
8) Press *6* five times.
9) When finished, press *select/ch*.

Viewing the Phonebook

Your phone stores names/numbers in the phonebook memory locations, and you can search names in alphabetical order. You can view the phonebook during a call as well as when the phone is in the standby mode.

1) Press **pb/rocket/<**.

   If you press **pb/rocket/<** during a call, the following screen appears.

```
Phonebook : 85
Search [A-Z/↑/↓]
Store  [select]
```

```
Phonebook : 85
Search [A-Z/↑/↓]
```

2) Press **+** or **-**, or the number keypad to view the phonebook locations.

   a) Alphabetical order
   Ascending order: Press **-** to view locations. The location in the RocketDial appears first in the display. Each time **-** is pressed, phonebook locations appear in ascending order.
   Descending order: Press **+** to view locations. A name starting with a number or a mark, or unknown name appears first. Each time **+** is pressed, phonebook locations appear in descending order.

   b) From a number key
   Refer to the letters on the number keys to select the first letter of the desired name. Press a number key until any name with the same initial is displayed (See the table in "Steps for Entering Names and Special Characters" on page 29).
   For example, to search for "Uniden", press 8 two times. Press **-** or **+** until the name is displayed. If you press **+** while the first name in "U" is displayed, a name starting with "T" will appear, or if you press **-** while the last name in "U" is displayed, a name starting with "V" will appear.

3) Press **pb/rocket/<** (if you view the phonebook during a call) or **end**.

note

- "/SD" appears on the display when you review the RocketDial, and "/SPDn" appears when you review a Speed dial.
- If you view the phonebook during a call and receive a CIDCW (Caller ID on Call Waiting), the viewing operation will be canceled.
- If you press **end** while in the operation, the phone will return to the standby mode (or a call will be disconnected when you view the phonebook during a call).
- If you don't press a key within 30 seconds while in the operation, the phone will return to the standby mode (or back to a call when you view the phonebook during the call).

Making Calls Using the Phonebook

From Standby Mode

1) When the phone is in the standby mode, press *pb/rocket/<*.

```
Phonebook : 85
Search [A-Z/↑/↓]
Store  [select]
```

2) Press **+** or **-** to view the phonebook locations (see "Viewing the Phonebook" on page 31).

3) Press *talk/flash*. The displayed number is dialed.

From Talk Mode

1) Press *talk/flash*.

2) Press *pb/rocket/<*.

```
Phonebook : 85
Search [A-Z/↑/↓]
```

3) Press **+** or **-** to view the phonebook locations (see "Viewing the Phonebook" on page 31).

4) Press *select/ch*. The number in the displayed phonebook location is dialed.

Speed Dialing

If you select a speed dial memory location (10 locations: SPD1 – SPD0) when storing a phone number in the phonebook dial location, you can use the speed dialing feature. When the phone is in the standby mode, press and hold a number key (*0-9*) associated with the speed dial, then press *talk/flash*. The phone number in the speed dial (SPD1 – SPD0) is dialed.

Editing or Erasing a Stored Name, Phone Number, Distinctive Ring, and Speed Dial

1) When the phone is in the standby mode, press **pb/rocket/<**.

```
 Phonebook : 85
Search [A-Z/↑/↓]
Store   [select]
```

2) Press **+** or **-**, or the number keypad to view the phonebook locations (see "Viewing the Phonebook" on page 31).

a. Editing the Stored Data

1) When the phonebook location to be edited appears, press **select/ch**. "Store/Edit Name" appears.

```
Store/Edit Name
▓
```

2) Follow the steps 3 to 7 under "Storing Phone Numbers, Names, Distinctive Rings, and Speed Dial" on page 28-29 to complete editing operation.

3) Press **select/ch**. You will hear a confirmation tone and "Done!" appears on the display.
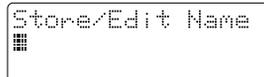
b. Deleting the Stored Data

1) When the phonebook location to be deleted appears, press **xfer/del**. "Delete Memory?" appears.

```
 Delete Memory?
 Yes
▶No
```

2) Press **+** to move the pointer to "Yes".

```
 Delete Memory?
▶Yes
 No
```

3) Press **select/ch**. You hear a confirmation tone. "Deleted!" appears in the display.
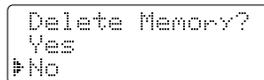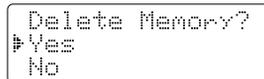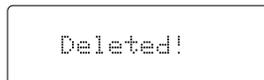
```
    Deleted!
```

RocketDial (One Touch Dialing)

You can store a number you dial often in the RocketDial. The rocket dialing allows you to dial a number with one key press.

note
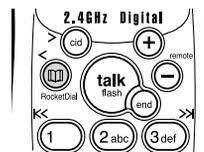
Memory location for the RocketDial is independent from the memory location for the phonebook.

Storing the RocketDial

1) When the phone is in the standby mode, press *pb/rocket/<*.

```
 Phonebook : 85
 Search [A-Z/↑/↓]
 Store  [select]
```

2) Press **-** once to display the RocketDial menu, then press *select/ch*. Store the name, phone number, and distinctive ring by following the steps 3 to 6 under "Storing the Phone Numbers, Names, Distinctive Rings, and Speed Dial" on page 28-29.

```
   <Empty>
            /SD
```

Making calls with the RocketDial

When the phone is in the standby mode, press and hold *pb/rocket/<*. The number in the rocket location is dialed.

```
 -Talk-
 8175551212
```

Deleting the RocketDial

1) When the phone is in the standby mode, press *pb/rocket/<*.
2) Press **-** to display the RocketDial menu.

```
 MOM AND DAD
 817-555-1212
 ♪Flicker    /SD
```

3) Press *xfer/del*.

```
 Delete Memory?
  Yes
 ▶No
```

4) Press **+** to move the pointer to "Yes".

5) Press *select/ch*. You will hear a confirmation tone.

```
 Delete Memory?
 ▶Yes
  No
```

Chain Dialing

The memory locations in the handset are not limited to phone numbers. You can also store a group of numbers (up to 20 digits), that you need to enter once your call connects. This is referred to as Chain Dialing.

An example of this is a bank account number. Store the special number in the RocketDial. (Refer to "Storing Phone Numbers, Names, Distinctive Rings, and Speed Dial" on page 28.) Once you have called your bank, and when you are prompted to enter the account number, press *pb/rocket/<* and **-** to select the number in the RocketDial, then press *select/ch*.

Caller ID

You must subscribe to Caller ID service to use this feature.
When the telephone rings, the Caller ID feature allows you to view the caller's name and phone number on the display before you answer the phone. Additionally, you can dial the displayed number and store the information for memory dialing.
Make sure you have turned on the Caller ID/Call Waiting feature (See page 17).

Important:
Memory locations for Caller ID messages and Phonebook locations are common, you can store up to 100 in total. Caller ID messages will not be stored when you have stored 100 entries in each phonebook locations. The earliest Caller ID message is overwritten when you have stored 100 entries in each phonebook locations and Caller ID messages in total.

(note) If you get an incoming call, a transferring call, or page, the operation is canceled.

1) When the Caller ID message is received, the display shows the caller's name and phone number along with the date and time. The incoming call information is stored in the Caller ID record. If the Caller ID service includes the caller's name, the name will appear on the display (up to 15 characters).

The date and time received ⟶ `12/12 12:30PM`
Caller's name ⟶ `Uniden Corp`
Caller's phone number ⟶ `800-297-1023`

You may receive any one of the following messages:

When invalid data is received	"Incomplete Data"
When a private name is received	"Private Name"
When a private number is received	"Private Number"
When a unknown name is received	"Unknown Name"
When a unknown number is received	"Unknown Number"

2) When you pick up the phone, the display changes to "Talk".
(If AutoTalk feature is set to On.)

note

- If you answer a call before the Caller ID message is received (Example: before the second ring), the Caller ID message will not appear nor will it be stored in memory.
- When the call is received via a telephone company that does not offer Caller ID service, the caller´s phone number and name will not appear. (This includes some international calls.)
- When the call is via a private branch exchange (PBX), the caller´s phone number and name may not appear.

CALLER ID

Viewing the Caller ID List

The Caller ID list stores information for incoming calls – even unanswered calls. You can store 100 of the Caller ID messages and phonebook locations (including Speed dials) in total. You can view the Caller ID list during a call or when the phone is in the standby mode.

1) Press *cid/>*.
   The summary screen appears. The screen shows the number of new messages and the total number of messages.

```
Caller ID
New  :  1
Total:  2
```

2) View the Caller ID messages by following these procedures.

   From new to oldest:
   a. Press **-** to display the latest Caller ID message.
   b. Press **-** to see the previous message.

   From oldest to new:
   a. Press **+** to display the earliest Caller ID message.
   b. Press **+** to see the next message.

   In alphabetic order:
   Press the number keypad (*2*-*9* and *0*) to display the Caller ID messages in alphabetical order. Refer to the letters on the number keys to select the desired letter.

   note Once you view the Caller ID list in alphabetical order, you cannot switch to the Caller ID display in historical order (from new to old or from old to new) unless you exit the operation.

3) Press *cid/>* (if you view the Caller ID list during a call) or *end*.

Deleting Information from the Caller ID List

Deleting a Caller ID message

1) While the incoming Caller ID information is displayed, press *xfer/del*.
   "Delete Message?" appears.

```
Delete Message?
▶Yes
 No
```

2) Press **+** or **-** to choose "Yes" or "No".

3) Press *select/ch* or *xfer/del*.

When the pointer is at "Yes": A tone sounds and the Caller ID message is deleted. The next or previous Caller ID message is then displayed.

When the pointer is at "No": The display returns to the Caller ID message.

Deleting all Caller ID names/numbers

1) Press *cid/>*.

```
    Caller ID
 New  :  1
 Total:  2
```

2) Press *xfer/del*.

```
Delete All?
 Yes
▶No
```

3) Press **+** or **-** to choose "Yes" or "No".

4) Press *select/ch* or *xfer/del*.

When the pointer is at "Yes": A tone sounds and all stored Caller ID messages are deleted.
When the pointer is at "No": The display returns to the summary screen.

Using the Caller ID Message List

Calling a party from the Caller ID list

From Standby mode

1) Press *cid/>*. The summary screen appears. The screen shows the number of new messages and the total number of messages.

```
Caller ID
New  :   1
Total:   2
```

2) Use the number keypad (*2-9* and *0*), *+*, or *-* to view the Caller ID message list.

3) Press *talk/flash*. The displayed phone number dials automatically.

```
-Talk-
8002971023
```

From Talk mode

1) Press *talk/flash*.

2) Press *cid/>*. The summary screen appears.

3) View the Caller ID message you want to dial.

4) Press *select/ch*. The displayed phone number will be dialed.

Long Distance calls and Area Code Setting/Cancellation

While the present Caller ID information is displayed, pressing *★ tone* will place or remove the prefix "1" in the display to set the call for a long distance call, or pressing *#* will set or cancel an area code. (See page 18.)

Storing Caller ID messages in the Phonebook/RocketDial

Messages shown in the Caller ID list can be stored in the phonebook. Using the incoming call information (i.e., Caller ID list), the phone number and name of the party on the Caller ID list can be stored in memory.

1) When the phone is in the standby mode, while the incoming Caller ID information is displayed, press *pb/rocket/<*.

```
12/12 12:30PM
Uniden Corp
800-297-1023
```

2) Press *+* or *-* to choose "Store in PB?" (Phonebook locations) or "Store in SD?" (RocketDial location). To cancel Storing, select "Cancel".

```
▶Store in PB?
 Store in SD?
 Cancel
```

3) Press **select/ch**. You will hear a confirmation tone.

   - You cannot store a Caller ID message in the phonebook if a phone number does not appear in the message.
   - You cannot set the distinctive ring or speed dial in this step. If you would like to set these options, use the edit mode in the phonebook to edit the stored data.
   - Even if the memory locations are full, the message will be stored in the Phonebook, however, the message will be erased from the Caller ID List.
   - If data is already stored in the RocketDial, the old data will be overwritten by the new data.

Call Waiting Deluxe Features

Your TRU448 series gives you new options for call waiting. At the touch of a button, you can place the caller on hold, send them to your voice mail service, or conference them into your current call. You may be required to subscribe to Call Waiting and Call Waiting Deluxe to use these features. Not all features are available in all areas. Check with your local telephone company for details.

1) When you receive a call waiting call, press **menu/mute** for a list of options.

2) Press **+** or **-**, or the number keypad (**1** - **7**) to select an option. For example:

```
1▸Ask to Hold
2 Tell Busy
3 Forward Call
```
press - 4 times
```
3 Forward Call
4 Answer/Drop 1
5▸Conference
```
press - 2 times
```
5 Conference
6 Drop First
7▸Drop Last
```

3) Press **select/ch**. A confirmation screen will appear.

Your TRU448 series is pre-programmed with seven call waiting options. You may select to ask the calling party to hold, send them a busy message, forward them to your voice mail, or answer and drop the first caller. You may also select to conference them into the current call or, at any time, choose to drop the first or drop the last caller.
Check with your local telephone company for a full list of options.

- To activate features, select "CW Deluxe On" in the Caller ID setup. See page 17.
- You can also answer a waiting call immediately by pressing **talk/flash**, the first caller will be placed on hold. To return to the original caller, press **talk/flash** again.

The Integrated Answering Device

The TRU448 series has a built-in answering system that answers and records incoming calls. You can also use your answering system to record a conversation, leave a voice memo message, or to announce a special outgoing message to callers when you're away from your phone.

Features

- Digital Tapeless Recording
- Call Screening
- Voice Prompts for Menu Setup Guidance
- Remote Message Retrieval
- Conversation Recording
- Trilingual Language Option
- Remote Operation by the Handset

- Approx. 10 Minutes of Recording Time
- Selectable Outgoing Messages
- Time and Day Announcement
- Toll Saver
- Voice Memo
- Message Alert

Digital Tapeless Recording allows you to quickly review, save, or delete the messages you choose. You will never have to worry about a tape wearing out, jamming, or resetting improperly.

The Integrated Answering System is easy and convenient to use, but **please read** through all of the instructions carefully.
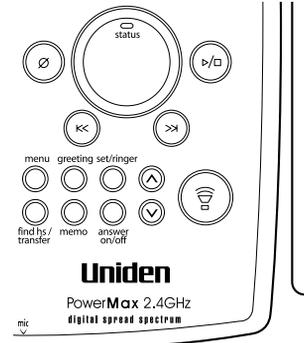
Turning the Answering System On/Off

1) To turn the answering system On, press **_answer on/off_** in the standby mode. The current greeting message will be played and you will hear a confirmation tone. The message counter displays the number of messages stored in memory. If the display flashes, then there are new messages waiting for you.
2) To turn the answering system Off, press **_answer on/off_**. After the announcement "Answer off", the message counter display will no longer be illuminated.

---

note

When the answering system is full, " FL " appears on the base, and the system announces "No remaining time". You should delete some messages so that the system can record new messages. (Refer to "Deleting a message" on page 48.)

Screen Incoming Calls

You can screen calls when the answering system is On.

1) After the answering system answers, the base speaker will let you hear the calls as the machine records the message.

2) To answer the call, press ☏ (talk) or pick up the handset from the base (when AutoTalk is set to On). If the handset is away from the base, press **talk/flash** or, any number key, *****tone**, or **#** (when AutoTalk is set to On). The answering system will disconnect automatically.

Setting up your Answering System

Setting your outgoing message (Greeting)

When you receive a call, the answering system automatically plays either the pre-recorded message or your own greeting.

Pre-recorded message

The following message is pre-recorded:

"Hello, no one is available to take your call. Please leave a message after the tone."

Recording a personal outgoing message (Greeting)

You can record a greeting up to 30 seconds long (more than 2 seconds).

1) When the phone is in the standby mode, press and hold **greeting**.

2) Start your recording after the announcement "Record greeting". The message counter displays " - - ", then begins to count down.

3) When you have finished recording your greeting, press **greeting** or ▷/□. You will hear a confirmation tone and your recorded greeting plays back for you.

note

- If the speaker volume is set to "0", you cannot use the call-screening feature.

- You can adjust the base speaker volume by pressing volume ∧ or ∨ while screening a call.

- If you set the answering system to Off and the system doesn't answer after ten rings, you cannot screen a call.

- Position yourself as near to the base as possible and speak clearly when recording your outgoing message.

Choosing between the two outgoing messages

When the phone is in the standby mode, press **greeting**. Press **greeting** again when the outgoing message is played. Each time **greeting** is pressed, the outgoing message is switched between the pre-recorded and the personal outgoing message.

Deleting an outgoing message

To delete the personal outgoing message, press Ø while the message is playing. The system announces "greeting has been deleted".

Setting the base ringer volume

You have three ringer options. One allows you to turn the base ringer off. The other two are volume levels.

1) When the phone is in the standby mode, press **set/ringer**. You hear the ringer at the current volume level (" H_i " High, " L_o " Low, or " OF " Off) (if you set the base ringer volume to off "off" is announced), and it appears on the base.
2) Press **set/ringer** until the desired ringer volume appears. The system returns to the standby mode.

You can also set the base ringer volume while the phone is ringing, press **set/ringer** repeatedly to select the desired ringer volume.

note

If you receive an incoming call or press **talk/flash**, ☏ (talk), or ▷/☐ the operation will be canceled.

Adjusting the speaker volume level

When the base speaker is in use, press ∧ or ∨ on the base to adjust the volume. Press volume ∧ for louder or ∨ for softer.

The numbers 0-9 appear on the base indicating the volume levels. 0 being the softest and 9 being the loudest.

Using the Menu Mode

The Menu mode allows you to set the following Answering System functions.

• To scroll through the menu options, repeatedly press **menu** on the base in the standby mode. The system returns to standby after the last menu option. A confirmation tone sounds to indicate the standby mode.

• If you press **talk/flash**, ☎ (talk), or ▷/□ during the menu setup, the operation will be canceled.

• The idle time default setting is 30 seconds. If the system remains idle for 30 seconds, you will hear a beep and the system returns to standby.

• You can use ∧ or ∨ to adjust the announcement volume level during a voice prompt/guidance.

• If there is an incoming call, the operation is canceled.

• When you have completed the setting, press ▷/□ to exit the menu mode, or **menu** to move to the next menu option.

(menu) ⇩
  "Time"
(menu) ⇩
  "Security Code"
(menu) ⇩
  "Ring Time"
(menu) ⇩
  "Record Time"
(menu) ⇩
  "Message Alert"
(menu) ⇩
  "Language"
(menu) ⇩
  **Return to standby
  (tone sounds)**

(note) For your convenience, voice prompts will guide you through the menu setup mode.

note

• When you press ∧ in the maximum volume level (9) or ∨ in lowest volume level (0), an error tone sounds.

• Press and hold ∧ or ∨ on the base to scroll quickly through the volume levels.

Setting the Time

The clock on the TRU448 series answering system starts when power is supplied to the base. Follow these steps to set the clock to the correct time.

1) Press *menu*.
   The system announces the current time. The message counter displays the day of the week (from "1" Sunday to "7" Saturday).
2) Press ≫ or ≪ until the correct day is announced and the corresponding number appears.
3) Press *set/ringer* to select the day.
4) Press ≫ or ≪ until you hear the correct hour setting. The numbers "1" through "12" appear on the base as each hour is announced.
5) Press *set/ringer* to select the hour.
6) Press ≫ or ≪ until you hear the correct minute setting. The numbers "00" through "59" appear on the base as each minute is announced.
7) Press *set/ringer* to select the minute.
8) Press ≫ or ≪ until you hear the correct AM or PM setting. The message counter displays "A" or "P".
9) Press *set/ringer* to select the AM/PM setting.
   A confirmation tone sounds, the system announces "Time" and, the day and time are announced for your review.

Setting a Personal Security Code

To play your messages from a remote location, you will need to enter a two-digit Personal Identification Number (PIN) code (00-99). To select a PIN, perform the following steps:

1) Press *menu* twice. The current PIN code is announced as it appears on the base.
2) Press ≫ or ≪ until the desired number appears.
3) Press *set/ringer* to select the PIN code.
   A confirmation tone sounds, the system announces "Security code" and the new PIN code.

Setting the Ring Time

The ring time setting allows you to set the number of rings the caller hears before your answering system plays the outgoing message. You can set the ring time to answer after two, four, or six rings. Setting "TS" (Toll Saver), the answering system picks up after two rings if you have new messages, and after four rings if there are none. This way, if you make a long distance call to check your messages, you can hang up after the second ring to avoid billing charges.

1) Press *menu* three times.
   The current ring time setting is announced (" *2* " 2, " *4* " 4, " *6* " 6, " *tS* " Toll saver), and it appears on the base.
2) Press ⟫ or ⟪ until the desired ring time appears.
3) Press *set/ringer* to select the new ring time.
   A confirmation tone sounds, the system announces "Ring time" and the new ring time.

Selecting the message record time

You have three record time options. The options "**1** minute" or "**4** minutes" set the duration for recording the incoming messages. "**Announce only**" answers the call with the preset greeting or your personal greeting but prevents the caller from leaving a message.

1) Press *menu* four times.
   You hear the current recording time (" *1* " 1 minute, " *4* " 4 minutes, " *A* " Announce only), and it appears on the base.
2) Press ⟫ or ⟪ until the desired message record time appears.
3) Press *set/ringer* to select the new recording time.
   A confirmation tone sounds, the system announces "Record time" and the new record time.

Announce only feature

The Announce only feature plays a pre-recorded outgoing message or your own personal outgoing message, but it will not allow the caller to leave a message. To set "Announce only", follow the steps above. To choose between the pre-recorded message or your own personal greeting, press *greeting*, when the outgoing message is played. Press *greeting* to select the greeting of your choice.

note

When using the Announce only feature, you may want to change your outgoing message, if the message prompts the caller to leave a message. The pre-recorded message changes automatically.

A confirmation tone sounds. If you want to use your own greeting, you may want to change your greeting to omit the prompt to leave a message. Refer to "Recording a personal outgoing message (Greeting)" on page 41.

The following message is pre-recorded:
"Hello, no one is available to take your call. Please call again."

Setting the Message Alert

Message Alert feature lets you know when you have a new incoming message by sounding a short alert tone. If you set the Message Alert On, and when a new message is received, the Alert Tone will sound every 15 seconds. Set the Message Alert to On or Off by using the *menu* key.
1) Press *menu* five times. The current setting (On or Off) is announced, and it appears on the base.
2) Press ⏩ or ⏪ to choose "*On*" or "*OF*".
3) Press *set/ringer*.
   A confirmation tone sounds, the system announces "Message Alert" and the current setting you have selected. When the first new message is received, the alert tone will begin to sound.

Turning the Message Alert tone Off by pressing any key

To quickly turn Message Alert Off, press any key on the base unit and the tone will automatically deactivate. To reset, go back into the menu setup mode (steps 1 - 3 above).

Turning the Message Alert tone Off when you are away from your phone

When all new messages are played back using the remote playback feature (see page 50) the Message Alert will automatically deactivate. The tone will not deactivate until all messages are played back.

Selecting the Language

You can select the Language of your answering system announcements to English, French, or Spanish.
1) Press *menu* six times.
   The current setting ("*E*" English, "*F*" French, or "*S*" Spanish) appears on the base, and it is announced ("Hello" English, "Bonjour" French, or "Hola" Spanish).
2) Press ⏩ or ⏪ to select the language.
3) Press *set/ringer*.
   A confirmation tone sounds, the system announces the new setting in the selected language.

Using your Answering System

The message counter displays the number of messages stored in memory. If the display flashes, then there are new messages waiting for you. The TRU448 series is designed to play your new messages first. After you play all your new messages, you can then play your old messages.

Playing your messages

1) When the phone is in the standby mode, press ▷/□.
   The system announces the number of new and old messages while the message counter displays only the number of new messages. The time and day that each message was received is announced after the message is played. The message counter will then display the number of current stored messages.

2) When all new messages have been played, you hear a beep and the system announces "End of message". The system returns to standby. After you have reviewed your new messages, you can play your old messages by again pressing ▷/□. Once you have listened to a new message, it then becomes an old message. The old messages will be played in the order in which they were received.

Repeating a message

1) Press ▷/□ to review your messages. The number of stored messages is announced.

2) To repeat the current message, press ⊠ after a few seconds of beginning the message.
   To quickly scroll backwards through a message, press and hold ⊠.
   To repeat the previous message, press ⊠ within a few seconds (about 4 seconds during remote operation) after a message begins playing. If you have several messages, press ⊠ repeatedly until you return to the message you want to replay. If the current message is the first new message, the system plays back from the beginning of the current message (it does not go back into the old message group).

3) Press ▷/□ at any time to stop reviewing messages and return to standby. The message counter shows the number of messages stored in memory.

note

- To stop playing your messages, press ▷/□ again at any time.
- When the answering system is full, "*FL*" appears on the base, and the system announces "No remaining time". You should delete some messages so that the system can record new messages. (Refer to "Deleting a message" on page 48.)

Skipping a message

1) Press ▷/□ to review your messages. The number of stored messages is announced.

2) Press ⏭ at anytime to skip to the next message.
   Each time ⏭ is pressed, the system scans forward one message. If you have several messages, press ⏭ repeatedly to find the message you want to play. To quickly scroll through a message, press and hold ⏭. The system advances through the playback at double speed.

3) Press ▷/□ at anytime to stop reviewing your messages and return to standby. The message counter shows the number of messages stored in memory.

Deleting a message

To maintain maximum record time, delete the old messages.

1) Press ▷/□ to review your messages.

2) Press ∅ at anytime during the message to delete the message.
   You hear a beep and the message is deleted.

3) To delete all messages, press ∅ in the standby mode. Press ∅ again after the announcement "to delete all message, press delete again.".

When you try to delete all messages without first listening to your new messages, you hear several short beeps followed by an announcement "Please playback all messages". This protects you from accidentally erasing messages you have not yet reviewed.

Important:

When you press ∅, you are permanently deleting the message. Once deleted, the message cannot be replayed.

Voice memo

The voice memo function allows the user to record messages (more than 2 seconds and within 10 minutes).

1) Press and hold *memo*. You hear a beep.
2) Start your recording after the announcement "Record memo message" and a confirmation tone. The message counter displays "--".
3) When you have finished, press *memo* or ▷/□ to stop recording. The system returns to standby.

Recording a conversation

You can record a conversation while you are using your phone (more than 2 seconds and within 10 minutes).

1) During a conversation from the handset, press and hold *memo* on the base. The unit begins recording and "--" flashes on the message counter.
   A beep, that can be heard by both parties, sounds during recording.
2) To stop recording, press ▷/□ or *memo*. You hear a confirmation tone.

note

- The voice memo messages are recorded as incoming messages.
- When the answering system is full, "*FL*" appears on the display and recording is terminated.
- If there is an incoming call, or if you press *talk/flash* on the handset or ☏ (talk) on the base, the operation will be canceled.

- A recorded conversation is treated as a typical message and will be added to the stored messages.
- You cannot record a 3-way conversation or a conversation using the speakerphone.

Remote Operation

You can operate your answering system from a remote location using any touch-tone telephone or the handset.

Remote access away from home

You can check, play, or delete messages, even record a new greeting message when you are away from home. Additionally, you can turn On or Off your answering system from a remote location.

note

- You must enter a command within 15 seconds of entering command waiting mode or the answering system automatically hangs up and returns to standby.
- The system will only playback messages for four minutes and then it returns to command waiting mode. To continue playing your messages, press # then 2 again within 15 seconds.
- If you enter an incorrect PIN code three times, you will hear a beep and the system will return to standby.
- During the remote operation, "∟⌐" appears on the base.

1) Call your telephone number.
2) During the greeting message, press **#** and enter your PIN code within 2 seconds. (See "Setting a Personal Security Code", page 44).
3) The answering system announces the current time and the number of messages stored in memory. You hear "To play incoming messages, press pound two. For help, press pound zero". You will hear intermittent beeps.
4) You may select a command from the following chart:

Command	Function		Command	Function
# then *1*	Repeat a Message		# then *6*	Answering System On
# then *2*	Playing incoming Messages		# then *7*	Memo Record/Stop *
# then *3*	Skipping a Message		# then *8*	Greeting Message Record/Stop *
# then *4*	Deleting a Message		# then *9*	Answer System Off
# then *5*	Stop Operation		# then *0*	Help Guidance

*For Memo Record and Greeting Message Record function, the first time you enter the corresponding command, it starts the Recording function. If you want to stop the recording, press **#** then *7* or *8*.

5) After the command has finished, you hear intermittent beeps indicating that the system is in the command waiting mode. You may enter another command at this time from the chart above.

6) When you are finished, hang up to exit the system. The answering system automatically returns to standby.

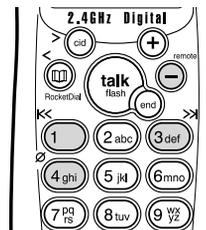## Turn on the answering system remotely

If you have forgotten to turn On your answering system, you can turn it On remotely from any touch-tone telephone.

1) Call your telephone number.

2) Wait ten rings until the system answers. You hear a beep.

3) Press **#** and then enter your PIN code within 2 seconds. The answering system announces the day and time, and the number of messages stored in memory. You hear "To play incoming messages, press pound two. For help, press pound zero".

4) Press **#** then 6 to turn the answering system On.

5) Hang up the phone and subsequent calls will be answered by the system.

Remote access with the handset

You can check your new incoming messages, skip, repeat, or delete your incoming messages with the handset. For example, you can install the answering system in the living room, and check your incoming message from a bedroom with the handset.

note

- If you press **end** before the answering system answers, the phone will return to standby.
- When the answering system does not answer within 7 seconds, you hear a beep and the phone will return to standby.
- The base's keypad is disable during remote operation.
- When you receive a call, the remote operation is canceled.
- You can change the handset volume and channel during a remote operation.
- During the remote operation "⌐⌐" appears on the base.

Playing incoming messages

1) When the phone is in the standby mode, press *-/remote* on the handset.

   The answering system announces the current time and the number of messages stored in the memory. You will hear a confirmation tone. Messages will be played in the order in which they were received and "Remote Play Back" appears on the handset display. The time and day that each message was received is announced after the message is played.

2) When the last message has been played, the system announces "End of message." And the system returns to standby.

Repeating a message

After a message begins playing, press ⏮*/1* within about four seconds to repeat the previous message, or press ⏮*/1* after about four seconds to repeat the current message.

Skipping a message

While the message is playing, press ⏭*/3* on the handset. Each time ⏭*/3* is pressed, the system scans forward one message.

Deleting a message

While the message is playing, Press ∅*/4* on the handset. The message playing is deleted.

Expanding Your Phone

Your phone supports up to 2 handsets (the original handset and the second handset). You can now place a fully featured cordless handset anywhere AC power is available to connect the handset charger. Additionally, you can transfer an outside call to another handset.

note
- We refer to the TXC400 handset and the TRU448-2 handset No.2 as the second handset, and the TRU448 handset and TRU448-2 handset No.1 as the original handset in this section.
- Before use, you need to charge the battery pack for at least 15-20 hours, and for the TXC400 handset, register the handset.

How to Distinguish the Original Handset and the Second Handset

The original handset and the second handset are identical in appearance. To distinguish the original and the second handset, place the handset in the base charger. If you charge the second handset, HS2 appears, otherwise HS1 appears. There are some restrictions on the second handset, see "Second Handset Operation" on page 55.

Registering the Second Handset

You need to register the second handset before using (for TXC400 only). To register the second handset, simply place the second handset on the original base with the keypad facing down, until you hear a confirmation tone. If the TRU448 base is wall mounted, you will need to hold the second handset to the TRU448 base, until the **status** LED on the base is illuminated. You will need to re-register the second handset each time you change the digital security code of the original unit.

note If you did not hear the confirmation tone, please register the additional handset again.

Call Transfer Feature

You can transfer an outside call to the other handset.

note
- If you transfer the call and it is not picked up after 5 minutes, the call will be disconnected.
- For information on transferring a call between the original handset and base, see "Transferring a Call" on page 26.

To transfer a call (to the second handset)

1) Press **xfer/del** on the handset (or **transfer** on the base) during a call. The call will automatically be placed on hold and the transfer tone will sound.

2) When the other handset receives the call, the transfer tone stops. To cancel the transfer, press **xfer/del** or **talk/flash** on the handset (or **transfer** or ☏ (talk) on the base).

To receive a transferred call (from the second handset)

Pick up the original handset (when AutoTalk is set to On), or press **talk/flash** to answer the transferred call. Additionally, you can answer the transferred call by pressing any number key, *__tone__, or **#** (when AutoTalk is set to On). To receive a transferred call with the base , press ☏ (talk) on the base.

Second Handset Operation

Setting up

Charging
- Charge the second handset for 15-20 hours before using.
- When you charge the second handset, the display shows the name of the handset, HS2.

Dialing mode
Dialing mode is a universal setting. When the mode is changed on the original handset, the setting for the second handset is changed as well.

CIDCW
- CIDCW setting is a universal setting. When the setting is changed on the original handset, the CIDCW setting for the second handset is changed as well.
- CW Deluxe setting is independent from the original handset. To set the CW Deluxe setting on the second handset, do the following.

   1) When the phone is in the standby mode, press ***menu/mute***.

   2) Press **-** or **+** to move the pointer to "Caller ID Setup", then press ***select/ch***.

   3) Press **-** or **+** to select "CW Deluxe", then press ***select/ch***.

   4) Press **-** or **+** to select "CW Deluxe On" to active CW Deluxe features,
      then press ***select/ch***.

Registration

For the TRU448-2 handset No.2, you can use it with the TRU448-2 base without registering the handset. However, you need to register the TRU448-2 handset No.2 each time you change the digital security code of the original base. Follow the instructions under "Registering the Second Handset" on page 53.

Operation

Making and receiving calls

- If you press *talk/flash* on the handset while the other handset is in use, you will hear a beep and the handset will return to the standby mode.
- If you charging the second handset and pick it up at the same time when you pick the original handset from the base, the call will be transferred to the second handset.

Security code

You can change the digital security code, only from the original handset.

Memory locations (Redial memory/Dynamic memory locations)

Memory locations in the original handset and the second handset are independent.

Page

If you press any key on a handset while paging, the paging sound from the other handset will stop as well.

3-way conversation

You can initiate the 3-way conversation with the second handset. However, a 3-way conversation cannot be conducted between the second handset, original handset, and an outside call.

Caller ID

- When you receive a CIDCW during a call, the Caller ID information will not be displayed or stored in the other handset. Each handset works independently when in this mode.
- To display CIDCW on the second handset, you must turn On the CIDCW or CW Deluxe on the original unit.

TAD

Signs for the remote handset features (*remote*, $\ll$, $\gg$, and $\varnothing$) are not printed on the TXC400.

Others

- You can't use or purchase the second handset as an alternative of the original handset.
- Save this owner's manual. The TXC400 owner's manual describes only the instructions specific to the second handset. For detailed operation, refer to this owner's manual (for TRU448).

Changing the Digital Security Code

The digital security code is an identification code used to connect the handset and the base unit. Normally, setting the code is not necessary. The first time you charge your handset, the security code is automatically set. (See "About the digital security code", page 8.) In the rare situation that you suspect another cordless telephone is using the same security code, you can change the code. To change the digital security code, deregister the code, then register a different code.

Deregister the Digital Security Code

1) Remove the handset from the base. In the standby mode, press and hold *xfer/del* and *end* for 10 seconds. You will hear a confirmation tone. "De-Register?" appears.

2) Press **+** to select "Yes", then *select/ch*. You will hear a confirmation tone, and "Deregistration Complete" appears.

note
- If you have not pressed any key for 30 seconds while in the deregistering operation, the phone returns to the standby mode.
- While in the deregistering operation, if you receive an incoming call, page, or transferring call, or charge the handset, or press *talk/flash* or *end*, the operation is canceled and the phone will return to the standby mode.

Register the Security Code

1) Unplug the AC adapter.

2) Press and hold *find hs/transfer* on the base while you plug in the AC Adapter until the **status** LED on the base flashes.

3) Press *talk/flash*. "`Handset Registering`" appears.

   When the operation is finished "`Registration Complete`" appears and the **status** LED is turned Off. You will hear a confirmation tone and the phone returns to the standby mode.

(note)
- You must complete the registration operation within 30 seconds, or the phone returns to standby mode.
- During the registration operation, you cannot receive an incoming call, page, or make a call.

Installing the Beltclip

To attach the beltclip

Insert the beltclip into the holes on each side of the handset.
Press down until it clicks.

To remove the beltclip

Pull both sides of the beltclip to release the tabs from the holes.
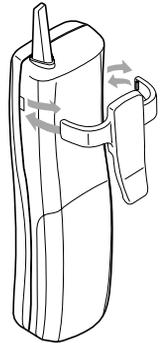
Headset Installation

Your phone may be used with an optional headset, the Uniden HS910. To use this feature, insert the headset plug into the headset jack. Your phone is ready for hands-free conversations. (Headset may be purchased by calling the Uniden Parts Department or visiting the web site. See page 9.)

Note on Power Sources

Battery replacement and handling

When the operating time becomes short, even after a battery is recharged, please replace the battery. With normal usage, your battery should last about one year.

Please contact your place of purchase or the Uniden Parts Department for a replacement battery (See page 9).

Warning:

To avoid the risk of personal injury or property damage from fire or electrical shock, only use the Uniden battery model and Uniden adapter model specifically designated for this product.

Power Failure

During the period that the power is off, you will not be able to make or receive calls with the telephone.

> **Caution**
> - Use the specified Uniden battery pack (BT-446).
> - Do not remove the battery from the handset to charge it.
> - Never throw the battery into a fire, disassemble it, or heat it.
> - Do not remove or damage the battery casing.

Maintenance

When slightly dirty

Wipe with a soft, dry cloth.

When very dirty

Wipe with a soft cloth that has been dampened with diluted, neutral detergent. Dry with a dry cloth.

When the charging terminals become dirty

Wipe with a dry cloth or a pencil eraser, if necessary.

> **Caution**
> Do not use paint thinner, benzene, alcohol, or other chemical products. Doing so may discolor the surface of the telephone and damage the finish.

General Information

The phone complies with FCC Parts 15 and 68. Operating temperature: 0 ºC to +50 ºC (+32 ºF to +122 ºF)

AC Adapter Information

AC Adapter part number: AD-312 for the base   / AD-446 for the charger (TRU448-2 only)
Input Voltage: 120V AC 60Hz
Output Voltage: 9V DC 350 mA for the base / 9V DC 210 mA for the charger (TRU448-2 only)

Battery Information

Battery part number: BT-446
Capacity: 800 mAH, 3.6V
Battery use time (per charge)
From fully charged
Talk mode duration: 6 hours
Standby mode duration: 10 days

note If the handset is left off of the base, the actual Talk mode duration will be reduced respective to the amount of time the handset is off the base.

Recharge your phone on a regular basis by returning the handset to the base after each phone call. When the operating time becomes short, even after the battery is recharged, please replace the battery. With normal usage, the battery should last about one year.

A replacement Uniden adapter and battery may be purchased at your local Uniden dealer or by contacting the Uniden Parts Department (800) 554-3988. Hours are from 7:00 a.m. to 5:00 p.m. CST, Monday through Friday. We can also be reached on the web at www.uniden.com.

Specifications, features, and availability of optional accessories are all subject to change without prior notice.

Troubleshooting

If your phone is not performing to your expectations, please try these simple steps first.

Symptom	Suggestion
The **status** LED won't illuminate when the handset is placed in the base.	• Make sure the AC adapter is plugged into the base and wall outlet. • Make sure the handset is properly seated in the base. • Make sure the charging contacts on the handset and base are clean.
The audio sounds weak and/or scratchy.	• Move the handset and/or base to a different location away from metal objects or appliances and try again. • Press *select/ch* to help eliminate background noise. • Make sure that you are not too far from the base.
Can't make or receive calls.	• Check both ends of the base telephone line cord. • Make sure the AC adapter is plugged into the base and wall outlet. • Disconnect the AC adapter for a few minutes, then reconnect it. • Change the digital security code (See page 57). • Make sure that you are not too far from the base.
The handset doesn't ring or receive a page.	• The battery pack may be weak. Charge the battery on the base unit for 15-20 hours. • The handset may be too far away from the base unit. • Place the base unit away from appliances or metal objects. • Change the digital security code (See page 57).
Severe noise interference.	• Keep the handset away from microwave ovens, computers, remote control toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appliances. • Move to another location or turn off the source of interference.

Symptom	Suggestion
The Caller ID does not display.	• The handset was picked up before the second ring. • The call was placed through a switchboard. • Call your local telephone company to verify your Caller ID service is current. • Charge the handset.
The handset doesn't communicate with the base or the other handset.	• Change the digital security code (See page 57). • Make sure that you have registered the second handset (TXC400 only).
The second handset can't join the conversation.	• Only one handset at a time can talk with an outside caller. To allow a different handset to talk to the caller, transfer the call to the other handset.
The answering system does not work.	• Make sure the base unit is plugged in. • Make sure that the answering system is turned on. • Make sure that the message record time is not set to ANN (See page 45).
Messages are incomplete.	• The incoming messages may be too long. Remind callers to leave a brief message. • The memory may be full. Delete some or all of the saved messages.
After a power failure, the outgoing message is deleted.	• Record your greeting again. The default message should remain.
No sound on the base unit speaker during call monitoring or message playback.	• Adjust the speaker volume on the base unit.
Cannot access remote call-in features from another touch-tone phone.	• Make sure you are using the correct PIN number. • Make sure that the touch-tone phone you're using can transmit the tone for at least two seconds. If it cannot, you may have to use another phone to access your message
If you still have a problem.	• Call our customer hotline at 1-800-297-1023.

Precautions!

Before you read anything else, please observe the following:

Warning!
Uniden America Corporation DOES NOT represent this unit to be waterproof. To reduce the risk of fire, electrical shock, or damage to the unit, DO NOT expose this unit to rain or moisture.

Rechargeable Nickel-Metal-Hydride Battery Warning

• This equipment contains a rechargeable Nickel-Metal-Hydride battery.
• Nickel is a chemical known to state of California to cause cancer.
• The rechargeable Nickel-Metal-Hydride battery contained in this equipment may explode if disposed of in a fire.
• **Do not** short-circuit the battery.
• Do not charge the rechargeable Nickel-Metal-Hydride battery used in this equipment in any charger other than the one designed to charge this battery as specified in the owner's manual. Using another charger may damage the battery or cause the battery to explode.

Rechargeable Nickel-Metal-Hydride Batteries Must Be Recycled or Disposed of Properly

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

When using your telephone equipment, these basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons:

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. Use a dry cloth for cleaning without liquid or aerosol cleaners.
4. Do not use this product near water; for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The telephone may fall, causing serious damage to the unit.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect the product from overheating, these openings must not be blocked or covered. 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 unless proper ventilation is 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 damaged by persons walking on it.
9. Do not overload wall outlets and extension cords, as this can result in the risk of fire or electrical shock.
10. 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.
11. To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
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 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 when 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 repair work by a qualified technician.)
    E. If the product has been dropped or the cabinet has been damaged.
    F. If the product exhibits a distinct change in performance.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.

Additional Battery Safety Precautions

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

1. Use only the Uniden battery pack specified in the owner's manual.
2. Do not dispose of the battery pack in a fire. The cell may explode. Check the Nickel Metal Hydride battery disposal package insert for disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery 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.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in the owner¬s manual provided for this product.
6. Observe proper polarity orientation between the battery pack and battery charger.

SAVE THESE INSTRUCTIONS!

Important Electrical Considerations

Unplug all electrical appliances when you know an electrical storm is approaching. Lightning can pass through your household wiring and damage any device connected to it. This phone is no exception.

Warning!
Please do not attempt to unplug any appliance during an electrical storm.

The FCC Wants You To Know

Changes or modifications to this product not expressly approved by Uniden, or operation of this product in any way other than as detailed by the owner's manual, could void your authority to operate this product. The equipment cannot be used on public coin phone service provided by the telephone company. Connection to party line service is subject to state tariffs. (Contact the state public utility commission, public service commission or corporation commission for information.)

Range

Your new phone is designed to achieve the maximum possible range by transmitting and receiving according to the highest specifications set forth by the FCC. We have rated this phone to operate at a maximum distance with the qualification that the range depends upon the environment in which the telephone is used. Many factors limit range, and it would be impossible to include all the variables in our rating. The Maximum Range rating of this phone is meant to be used as a means of comparison against other range claims.

Telephone Line Problems

The FCC has granted the telephone company the right to disconnect service in the event that your phone causes problems on the telephone line. Also, the telephone company may make changes in facilities and services which may affect the operation of your unit. However, your telephone company must give adequate notice in writing prior to such actions to allow you time for making necessary arrangements to continue uninterrupted service.

If you are having trouble with your telephone service, you must first disconnect your phone to determine if it is the cause of your problem. If you determine that it is the cause, you must leave it disconnected until the trouble has been corrected.

Radio Interference

Radio interference may occasionally cause buzzing and humming in your cordless handset, or clicking noises in the base. This interference is caused by external sources such as TV, refrigerator, vacuum cleaner, fluorescent lighting, or electrical storm. Your unit is NOT DEFECTIVE. If these noises continue and are too distracting, please check around your home to see what appliances may be causing the problem. In addition, we recommend that the base not be plugged into a circuit that also powers a major appliance because of the potential for interference. Be certain that the antenna on the unit is fully extended when needed.

In the unlikely event that you consistently hear other voices or distracting transmissions on your phone, you may be receiving radio signals from another cordless telephone or other source of interference. If you cannot eliminate this type of interference, you need to change to a different channel.

Finally, it should be noted that some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

More than One Cordless Telephone

If you want to use more than one cordless telephone in your home, they must operate on different channels. Press the channel key to select a channel that provides the clearest communication.

Cordless Telephone Privacy

Cordless telephones are radio devices. Communications between the handset and base of your cordless telephone are accomplished by means of radio waves which are broadcast over the open airways. Because of the inherent physical properties of radio waves, your communications can be received by radio receiving devices other than your own cordless telephone unit. Consequently, any communications using your cordless telephone may not be private.

Installation Considerations

Selecting a Location

Before choosing a location for your new phone, there are some important guidelines you should consider:
• The location should be close to both a phone jack and continuous power outlet. (A continuous power outlet is an AC outlet which does not have a switch to interrupt its power.)
• Keep the base and handset away from sources of electrical noise such as motors or fluorescent lighting.
• Be sure there is sufficient space to fully extend the base antenna.
• The base can be placed on a desk or tabletop or mounted on a standard telephone wall plate.
• You should charge your new phone for 15-20 hours before completing the installation or using the handset.

Telephone Line Outlets

There are two types of phone outlets:

Modular Jack

Most phone equipment available now uses modular jacks. Phone cords are fitted with a molded plastic connector which plugs into this type of jack. If you do not have modular phone jacks, contact your local telephone company for information about their installation.

Hardwired Jack

Some equipment is wired directly to a phone jack, and these types of installations require a modular jack converter. This type of installation is not difficult; however, you should contact your Uniden telephone dealer or a telephone supply store for advice about the proper adapter or converter for your particular situation.

Connecting the Telephone Cords

Consider these safety guidelines before connecting the telephone cords:

Caution!
• *Never install telephone wiring during a lightning storm.*
• *Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected.*
• *Use caution when installing or modifying telephone lines.*

Applying Power to the Base

This phone requires an AC outlet, without a switch to interrupt power, and the included AC adapter. To relieve strain on the DC plug when the phone is placed on a desk or table, wrap the power cord around the strain relief notch on the bottom of the base.

NOTE: Place the power cord so that it does not create a trip hazard, or where it could become chafed and create a fire or other electrical hazards.

Plug the AC Adapter into a standard 120 VAC wall outlet.

Do not use an outlet controlled by a wall switch.

⚠ Use only the Uniden AC Adapter supplied with this phone.

One Year Limited Warranty

I.C. Notice

TERMINAL EQUIPMENT

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is marked on the equipment itself. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

RADIO EQUIPMENT

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

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

Index

Remote Operation Card

- CUT -

REMOTE OPERATION CARD

Uniden®

T R U 4 4 8 s e r i e s

Remote access away from home

1. Call your phone number from a touch-tone phone.
2. During the outgoing message, press # and enter your PIN code. The answering system announces the number of messages stored in memory and the help guidance.
3. To quit, hang up the phone.

Turn on the answering system remotely

1. Call your phone and let it ring 10 times until you hear a beep.
2. Press # and then enter your PIN code.
3. Press # then 5 to stop the announcement.
4. Press # then 6 to turn the answering system on.

- - - - - - - - - - - - - - - - - - - C U T -

Task	Key	
Repeat a Message	#	1
Playing incoming Messages	#	2 abc
Skipping a Message	#	3 def
Deleting a Message	#	4 ghi
Stop Operation	#	5 jkl
Answering System On	#	6 mno
Memo Record/Stop	#	7 pqrs
Greeting Message Record/Stop	#	8 tuv
Answer System Off	#	9 wxyz
Help Guidance	#	0 oper

At Uniden, we'll take care of you!

If you need any assistance with this product, please call our Customer Hotline at

1-800-297-1023

PLEASE DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.

Our Uniden representatives will be happy to help you with any matters regarding the operation of this unit, available accessories, or any other related matters.

Thank you for purchasing a Uniden product.
Hours: M-F 8:00 AM to 5:00 PM CST.

(?) Accessibility

For information on the accessibility features of this product, please call

1-800-874-9314 (V/TTY)

Uniden®