

**V** 

# EXL 8945

900 MHz Cordless Phone

Long Distance Manager

Dual Keypad Operation

3-Way Conference Operation

# Uniden

### Introduction

Thank you for choosing the Uniden EXL 8945 cordless telephone. This phone is designed to exacting standards that provide reliability, long life and outstanding performance.

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

### Features

- 900 MHz Extended range
- Secure Digital Transmission
- Long Distance Manager
- 20 Number Memory (10 on the base and 10 on the handset)
- 32 Digit Redial
- Redial, Flash and Pause
- Pulse / Tone Dialing
- 7 Day Standby Battery Life
- 7 Hour Talk Time
- Handset Earpiece and Ringer Volume Control
- Speakerphone
- 3-Way Conference Operation
- Dual Keypad Operation
- Intercom

YOUR NEW PHONE

# **Controls and functions**



- 1. Handset antenna
- 2. Headset jack cover
- 3. Handset battery compartment
- 4. Handset ring switch
- 5. Handset earpiece
- 6. Talk/Battery LED
- 7. Talk key
- 8. Volume down key
- 9. Flash key
- 10. Tone key
- 11. Redial/Pause key
- 12. Intercom key
- 13. Handset microphone
- 14. Mute LED
- 15. Volume up key
- 16. Long Distance Manager key
- 17. Memory key
- 18. Mute key
- 19. Channel key
- 20. Ringer Select key
- 21. Handset contact

- 22. Base microphone
- 23. Handset retainer clip storage
- 24. Power LED
- 25. Long Distance Manager key
- 26. One touch dial (m1 m4) key
- 27. Base contact
- 28. Tone key
- 29. Base speaker
- 30. Speaker LED
- 31. Status LED
- 32. Base antenna
- 33. Mute key
- 34. Speaker key
- 35. Memory key
- 36. Redial/Pause key
- 37. Intercom key
- 38. Flash key
- 39. Base speaker volume adjust
- 40. Ring volume switch
- 41. Pulse-Tone switch
- 42. DC power input
- 43. Phone jack



### **Getting Started**

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### Basics

**Memory Dialing** 

3-way Conference Features

### Additional Information

Troubleshooting

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Index

OF YOUR OWNER'S MANUAL

### **Read this first**

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



### 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. A random security code will be assigned automatically between your base unit and handset when you charge the battery pack for the first time.

If you want to reset the security code, see page 26.

# 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** (see below).





• Handset



• AC adapter (AD-420)



• Rechargeable

battery pack

(BT-905)

• Base unit



• Telephone line cord (2)



• Wall mount adapter



• Beltclip

- This Owner's Manual
- Precautions and Important Safety Instructions
- Registration Card

### **Uniden Parts Department**

(800) 554-3988Hours: M-F 8:30 AM to 5:00 PM CST.We can also be reached on the web at www.uniden.com.

### Setting up the base unit

Do the following steps.

- Choose the best location
- Connect the base unit
- Choose the dialing mode

### Choose the best location

Before choosing a location for your new phone, read the INSTALLATION CONSIDERATIONS included in the PRECAUTIONS AND IMPORTANT SAFETY INSTRUCTIONS brochure. Here are some important guidelines you should consider:



- You should charge your handset for 12-15 hours before using the phone.
- The location should be close to both a phone jack and continuous a power outlet which is not switchable.
- Keep the base and handset away from sources of electrical noise such as motors and fluorescent lighting.
- Be sure there is sufficient space to raise the base antenna fully vertical.
- The base can be placed on a desk, tabletop or mounted on a standard wall plate.

### Connect the base unit

If you want to install the base unit on the wall, see page 8.



**1** Connect the telephone line cord to the **TEL LINE** jack and to a telephone outlet.

- **2** Connect the AC adapter to the **DC IN 9V** jack and to a standard 120V AC wall outlet.
- **3** Set the base unit on a desk or tabletop and place the handset on the base unit. Then raise the antenna to a vertical position.





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



Use only the supplied AD-420 AC adapter. Do not use any other AC adapter.

Connect the AC adapter to a continuous power supply.

Polarity of the plug





NOTE

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



### Choose the dialing mode



Depending on your dialing system, set the **TONE/PULSE** switch as follows:

If your dialing system is	Set the switch to
Tone	TONE
Pulse	PULSE

### If you aren't sure of your dialing system

Make a trial call with the **TONE/PULSE** switch set to **TONE**. If the call connects, leave the switch as is; otherwise, set to **PULSE**.

# Mounting the base unit on a wall

### Standard wall plate mounting

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



- 1 Snap the wall mount adapter into the notches on the base.
- 2 Plug the telephone line cord to the **TEL LINE** jack and the AC adapter to the **DC IN 9V** jack.
- **3** Plug the telephone line cord into the telephone outlet.
  - Wrap the AC adapter cord inside the molded wiring channel. Then wrap the cord around the strain relief notch.
- **5** Plug the AC adapter into a standard 120V AC wall outlet.
- **6** Raise the antenna to a vertical position.
- 7 Align the mounting slots on the base with the mounting posts on the wall. Push in and down until the phone is firmly seated.



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

**9** 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.

### 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.



- Insert two mounting screws into the wall, (with their appropriate anchoring device), 3-15/16 inches apart. Allow about 3/16 of an inch between the wall and screwheads for mounting the phone.
- **2** Refer to steps 1 through 9 on page 8 and 9 to mount the telephone.

### Preparing the battery pack

Charge the battery pack for more than 12-15 hours before you start using your phone.





Use only Uniden Battery BT-905.



Even when the battery pack is not being used, it will gradually discharge over a long period. For optimum performance, be sure to return the handset to the base unit after a telephone call for charging the battery.



The built-in memory backup can hold numbers and names stored in the memory for up to 2 minutes, while you replace the battery pack.



If you must replace the battery pack during a telephone call, complete the replacement of the battery pack within 30 seconds, and you can return to the original call.



Rechargeable batteries have a memory effect that reduces standby and talk time. To avoid this memory effect, on a monthly basis, use the phone until the **batt** LED blinks. Then charge the battery for 15 hours.

### Battery use time (per charge)

From fully charged

- Seven hours coutinuous use.
- Seven days when the handset is in the standby mode.

### When the battery charge becomes low

When the voltage of battery pack in the handset is very low and needs to be charged, the phone is programmed to eliminate functions in order to save power. If the battery charge becomes low Battery lamp blinks. If the phone is in use, the handset beeps. Complete your conversation as quickly as possible and return the handset to the base unit for charging.

### Cleaning the battery contacts

To maintain a good charge, it is important to clean all battery contacts on the handset and base unit about once a month. Use a pencil eraser or other contact cleaner.

Do not use any liquids or solvents.

# Making a call

### From the handset



The phone number can be up to 32 digits.



- Pick up handset.
- **2** Press *talk*.

1

- **3** Dial the phone number.
- **4** To hang up, press (*talk*) or return the handset to the base.

# From the base



Press (speaker).

**2** Dial the number on the keypad.

When you finish the call, press (*speaker*) to hang up.

### **Other Operations**

То	Do this
To improve reception	Press chan.
To adjust the earpiece volume	Press $\bigcirc$ or $\bigcirc$ during the call.
To temporarily switch to tone dial	Press (* tone). The following
(When base is set to pulse mode)	numbers dialed will be sent as
	tone dialing.
To enter a pause within the	Press (redial/p).
numbers dialed	
To receive a new call during the	Press (flash).
conversation	



### Using the Long Distance Manager (LDM)

### Sign up and Registration

- 1. Before using the LDM feature, you must register your phone by calling 1-800-458-2682.
- 2. You will be asked a few simple questions, such as name, address, and phone number.
- 3. Each month you will receive an itemized bill for calls placed through the LDM service.

### Placing a call using LDM

Press (LongDst) key before dialing a long distance (1+) or international (011+) number.

# LDM call from the handset



Pick up your phone.

**2** Press *LongDst*.

**3** Dial the phone number. You must dial a "1" or "011" when using the LDM feature.

Press (*talk*) or return the handset on the base to finish the call.

# LDM call from the base



Press (LongDst).

Dial the phone number. You must dial a "1" or "011" when using the LDM feature.

Press (speaker) to finish the call.

# Private Branch Exchange (PBX) dialing



Redial will not function when using LDM through PBX.



# **Receiving a call**

### From the handset



### Handset on the base

- **1** Phone rings.
- **2** Pick up the handset and speak.
- **3** Press (*talk*) or return the handset to the base to finish the call.

### Handset off the base

- **1** Phone rings.
- **2** Press **(***talk***)** or any key, and speak.
- **3** Press <u>talk</u> or return the handset to the base to finish the call.

### From the base



- The phone rings. The **status** LED on the base flashes.
- **2** Press (speaker).
  - Press **speaker**) to finish the call.

## Adjusting the ringer and earpiece volume

### Handset ringer tone

In the standby mode, press (*ringer*).

Each time (*ringer*) is pressed, the ringer tone setting changes and the selected ringer tone sounds for 2 seconds.



### Handset ringer switch

This switch turns the handset ringer on or off.



### Handset earpiece volume

Pressing  $\bigcirc$  or  $\bigcirc$  during a telephone call will change the earpiece volume of the handset. This setting will remain in effect after the telephone call has ended.



When you press in Maximum mode or press in Low mode, error sound beeps.

### Base ringer switch

This switch turns the base unit ringer on or off.

### Base speaker volume

To control the speaker volume of the base, adjust the **VOLUME** slide switch as desired.





### **Redialing a call**

# From the handset

The last phone numbers entered can be quickly redialed.



If the recently dialed number exceeds 32 digits, only the first 32 digits are retained for redialing.



If you use Long Distance Manager press (LongDst) instead of *(talk)* or (speaker).



### Handset on the base

- Pick up handset.

- 4 Press (*talk*) or place the handset on the base to hang up.

### Handset off the base

- Press (talk).
- **3** Press (talk) or place the handset on the base to hang up.

### From the base



- Press (*speaker*).
- To call the last number dialed from the base, press (redial/p).
- Press (*speaker*) to finish the call.

# Using the speaker phone

You may use the base as speakerphone. To answer calls, press the *speaker* on the base. To hang up, press *speaker* again.

The base microphone is located under the base. Position yourself approximately 12 inches away from the base and speak clearly.



# Mute

You can turn off the base or handset microphone.

# When speaking on the base



Press *mute*) during a telephone call to turn off the microphone.

To cancel mute, press (*mute*), or (*speaker*).

# When speaking on the handset



Press *mute*) during a telephone call to turn off the handset microphone. The sound from the mocrophone is cut off.

**2** To cancel mute, press (mute) or (talk).

# When phone is ringing

### **Ringer** mute

Press *mute*) when the phone rings to immediately mute the ring.

### Storing phone numbers

Your EXL 8945 stores up to 10 numbers in handset plus 10 numbers in the base.

# On the handeset



You must press a key within 20 seconds or the phone will return to standby. If you return the handset to the cradle, the phone will return to standby too. Press (<u>memory</u>) and you can go to memory menu at any time.



Press and hold *memory* in the standby mode.

2 Enter the number you wish to store (up to 20 digits)

- **3** Press *memory* again.
- 4 Press the **(0**) to **(9**) on the keypad to select the memory location you wish to store the number.
- **5** The confirmation beep indicates the number has been stored.

MEMORY Dialing

# On the base



Press (*memory*). The **status** LED blinks.

**2** Dial the number you wish to store.

### **3** Press *memory*).

Press  $(\underline{0})$  to  $(\underline{9})$  on the keypad to select the memory location you wish to store the number.

The **status** LED goes out.

A confirmation beep indicates the number is stored.



When entering numbers, you may press (*redial/p*) to enter a pause in the dialing sequence.



You cannot store phone numbers directly into the one-touch dial keys. See page 21 for one touch dialing.

# Making calls with memory dialing

Ζ

### From the handset



You must press key within 20 seconds or the phone will return to standby, you may also press memory to access a memory menu at any time.



If you use Long Distant Manager, press (LongDst), instead of (talk) or (speaker).



Press (talk).

Press memory).

**3** Press **()** to **(9)** on the keypad to select the memory location you wish to dial.

4 Press (*talk*) or return the handset to the base to finish the call.

### From the base



### One touch memory dialing

Your phone is requipped with four instant dialing  $(\underline{m1}, \underline{m4})$  on the base. YOU CANNOT STORE PHONE NUMBERS DIRECTLY INTO  $(\underline{m1})$  TO  $(\underline{m4})$ .

There are only used to dial phone numbers stored memory location (1) - (4) on the keypad to instantly dial phone numbers (m1), (m2), (m3) or (m4). There is no need to press (*speaker*), the phone will automatically call.

### Erasing a stored phone number

1

# From the handset



Press memory).

**2** Press *memory* again.

**3** Enter the memory location number (0 - 9) of the number you wish to delete.

A confirmation tone indicates the memory has erased.

# From the base



Press *memory*. The **status** LED blinks.

**2** Press *memory* again.

**3** Enter the memory location number (0-9) of the number you wish to delete. The **status** LED goes out. A confirmation beep indicates the number has been erased.



Pressing the (speaker) key on the base while dialing with the handset will set the 3-way conversation mode and dialing continues.



Pressing the (talk) key on the handset will not set the 3-way canversation mode while in the process of dialing with the base.



Dialing from the 3-way conversation mode is possible only from the handset.



### 3-way conferencing

The Uniden EXL 8945 permits 3-way conversations between the handset, base, and an outside line.



# When speaking on the handset



Press (*speaker*) on the base. This will set the 3-way conversation mode.

**2** Press *speaker* on the base to return to the conversation between the handset and outside line.

# When speaking on the base

### When the handset is off the base



- Press **(talk)** on the handset. This will set the 3-way conversation mode.
- 2 Press *(talk)* on the handset, to return to conversing between the base and the outside line.

### Using your EXL 8945 intercom

1

### Intercom from the base to handset



Press (int'com) on the base. The handset beep.

Press (*int'com*) or (*talk*) on the handset

To turn off the intercom, press (talk) on the handset or (speaker) on the base.

# Intercom from the handset to base



Press (int'com) on the handset.

At the base, press (*int'com*) or (speaker) to answer the page.

To turn off the intercom, press (*talk*) on the handset or (speaker) on the base.



Press mute when paging, stops the paging.

### Transferring a call

# To transfer from the handset to the base



Press (*int'com*) on the handset while speaking on the handset. The caller is put on hold. The handset and base will enter the intercom mode. The inter'com tone sounds on the base.

**2** Press *int'com* or *speaker* on the base. The intercom mode is activated, but the caller is still on hold.

To transfer to the base, press **(talk)** on the handset. To cancel the transfer, press **(speaker)** on the base.

# To transfer from the base to the handset



Press (*int'com*) on the base while speaking on the speakerphone. The caller is put on hold. The handset and base will enter the intercom mode. The intercom tone sounds on the handset.

**2** Press (*int'com*) or (*talk*) on the handset. The intercom mode is activated, but the caller is still on hold.

To transfer the handset, press (*speaker*) on the base.

To cancel the transfer, press  $(\underline{talk})$  on the handset.

# 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

The first time you charge your handset, the security code is automatically set. (See page 3.)

In the rare situation that you suspect another cordless telephone is using the same security code, you can change the code.



Remove the handset from the base unit. Press (*int'com*).

While the handset is producing the paging sound, hold (*int'com*) while placing the handset in the base unit. The paging tone stops. Leave the handset on the base for at least 3 seconds. A new, random security code is set.



If the handset battery pack is completely discharged or the battery pack removed, the digital security code is erased. If this happens, a new security code is set automatically the next time the battery pack is charged.

# 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.





Your phone may be used with an optional headset. To use this feature, simply plug any standard 2.5mm headset plug into the headset jack. Your phone is ready for hands-free conversation.



### 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 for a replacement battery.

### **RECYCLING NICKEL-CADMIUM BATTERIES**



### **Power Failure**

During the period that the power is off, you will not be able to make or receive calls with the telephone. Nickel-cadmium cells are used in the battery pack. Please take your used nickelcadmium battery packs to a store that recycles nickelcadmium batteries.

### Caution

- Use the specified battery pack.
- 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 pencil eraser or other contact cleaner.

### 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.

# Troubleshooting

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

Symptom	Suggestion
The <b>status</b> LED won't come on when the handset is placed in the base unit.	<ul> <li>Make sure the AC adapter is plugged into the base unit and wall outlet.</li> <li>Make sure the handset is properly seated in the base unit.</li> <li>Make sure the charging contacts on the handset and base unit are clean.</li> </ul>
The audio sounds weak and/or scratchy.	<ul> <li>Make sure that the base unit antenna is in a vertical position.</li> <li>Move the handset and or base unit to a different location away from metal objects or appliances and try again.</li> <li>Press (chan) to help eliminate background noise.</li> <li>Make sure that you are not too far from the base.</li> </ul>
Can't make or receive calls.	<ul> <li>Check both ends of the base unit telephone line cord.</li> <li>Make sure the AC adapter is plugged into the base unit and wall outlet.</li> <li>Disconnect the AC adapter for a few minutes, then reconnect it.</li> <li>Reset the digital security code (See page 26).</li> <li>Make sure (talk) is pressed.</li> </ul>
The handset doesn't ring or receive a page.	<ul> <li>The battery pack may be weak. Charge the battery on the base unit for 12-15 hours.</li> <li>The handset may be too far away from the base unit.</li> <li>Move the base unit away from appliances or metal objects.</li> <li>Reset the digital security code (See page 26).</li> </ul>

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### Specifications

### General

The EXL 8945 complies with FCC Parts 15 and 68.Frequency control:PLLModulation:Frequency shift keyingOperating temperature:0°C to +50°C (+32°F to +122°F)

### Base unit

RX frequency: TX frequency: Power requirements: Size: 902.119 MHz to 905.016 MHz (30 channel) 924.997 MHz to 927.894 MHz (30 channel) 9V 350mA (from AC adapter) 8-49/64 in. (W) x 6-59/64 in. (D) x 2-37/64 in. (H) (222.5 mm (W) x 175 mm (D) x 65.3 mm (H)) Approx. 20.2 oz. (Approx. 572 g)

Weight:

### Handset

RX frequency: TX frequency: Power requirements: Size (without antenna):

Weight: Battery: 924.997 MHz to 927.894 MHz (30 channel) 902.119 MHz to 905.016 MHz (30 channel) Rechargeable Nickel-Cadmium battery pack 7-1/64 in. (W) x 2-17/64 in. (D) x 2 in. (H) (178 mm (W) x 57.6 mm (D) x 51 mm (H)) Approx. 8.6 oz. (244 g) (including battery) BT-905 Capacity 600 mAH, 3.6V Talk mode 7 hours TYP Standby mode 7 days TYP

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

# 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 7:00 AM to 7:00 PM CST.

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# UNIDEN HASING A FOI

ONE!

# Uniden

 Covered under one or more of the following U.S. patterns:
 4,511,761
 4,523,058
 4,595,795
 4,797,916
 5,381,460

 5,426,690
 5,434,905
 5,491,745
 5,533,010
 5,574,727

 5,650,790
 5,660,269
 5,661,780
 5,663,981
 5,671,248

 5,717,312
 5,754,407
 5,768,345
 5,787,355
 5,838,721

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