

V

EXL 8945

900 MHz Cordless Phone

Long Distance Manager

Dual Keypad Operation

3-Way Conference Operation



Download from Www.Somanuals.com. All Man

Introduction

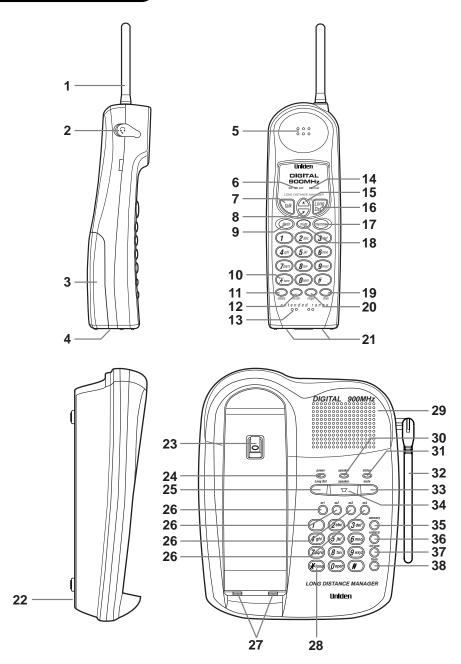
Thank you for choosing the Uniden EXL 8945 cordless telephone. This phone is designed to exacting standards that provide reliability, long life and outstanding performance.

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

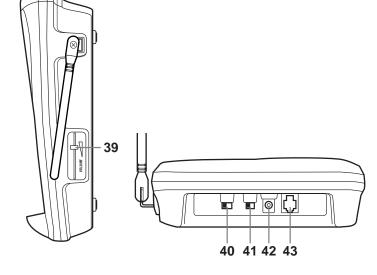
Controls and functions



Download from Www.Somanuals.com. All Manuals Search And Download.

- 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

Contents

Introduction / Featuresinsid	e front cover
Control and Functionsinsid	e front cover

Getting Started

Read this first
Step 1: Checking the package contents4
Step 2: Setting up the base unit5
Mounting the base unit on a wall8
Step 3: Preparing the battery pack10

Basics

Making a call	12
Using the Long Distance Manager (LDM)	13
Receiving a call	15
Adjusting ringer and earpiece volume	16
Redialing a call	17
Using the speakerphone	18
Mute	19

Memory Dialing

Storing phone numbers	.20
Making calls with memory dialing	.21
Erasing a stored phone number	.22

3-way Conference Features

3-way conferencing23	
Using your EXL 8945 intercom24	
Transferring a call25	

Additional Information

Changing the digital security code Installing the beltclip	27
Headset installation	
Note on power sources Maintenance	
Troubleshooting	29
Specifications	30
Index	31

Basics

Memory Dialing

3-way Conference Features

Additional Information

Troubleshooting

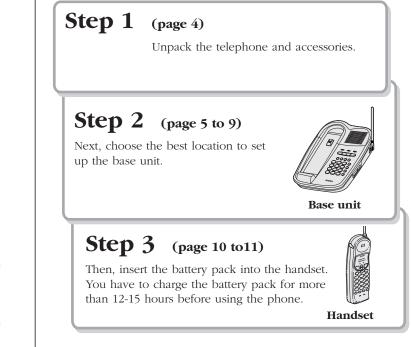
Specifications

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.

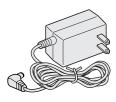
Checking the package contents

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

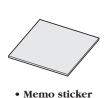
battery pack

(BT-905)

• 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.

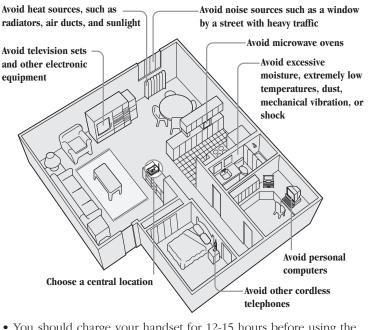
Setting up the base unit

Do the following steps.

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

Choose the best location

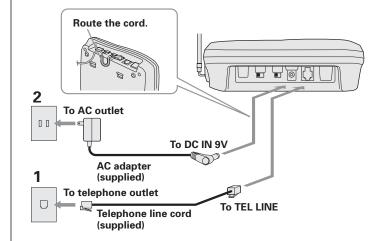
Before choosing a location for your new phone, read the INSTALLATION CONSIDERATIONS included in the PRECAUTIONS AND IMPORTANT SAFETY INSTRUCTIONS brochure. Here are some important guidelines you should consider:



- 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



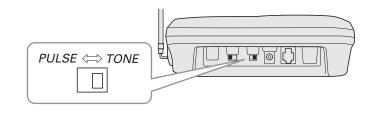


NOTF

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

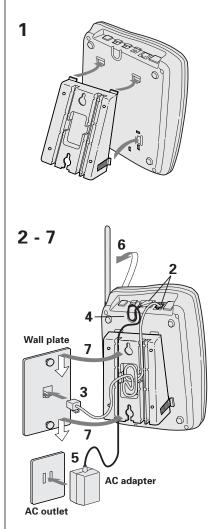
If you aren't sure of your dialing system

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**.

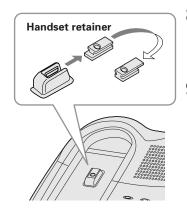
Mounting the base unit on a wall

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.



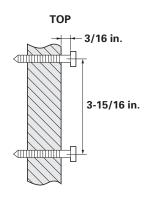
8 On the base unit, pull the handset retainer out of the slot. Rotate it clockwise 180 degrees.

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.

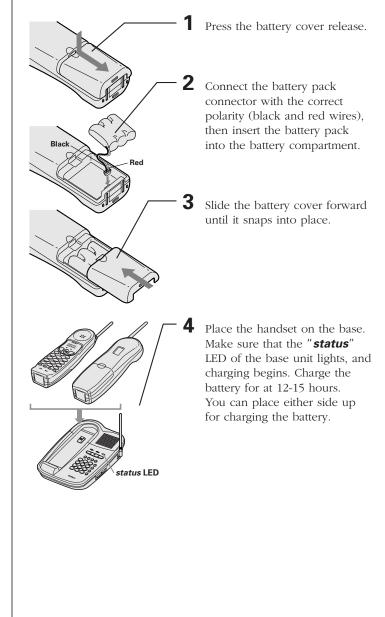


Insert two mounting screws into the wall, (with their appropriate anchoring device), 3-15/16 inches apart. Allow about 3/16 of an inch between the wall and screwheads for mounting the phone.

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 \checkmark or \checkmark 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)

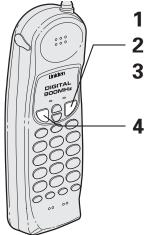
Sign up and Registration

- 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



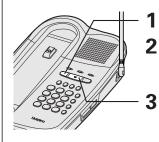
Pick up your phone.

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).

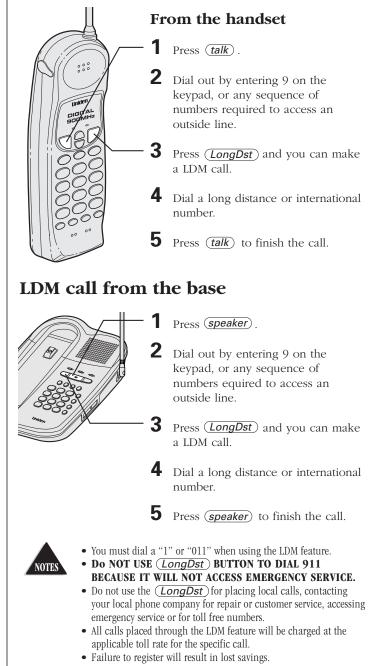
Dial the phone number. You must dial a "1" or "011" when using the LDM feature.

Press (speaker) to finish the call.

Private Branch Exchange (PBX) dialing



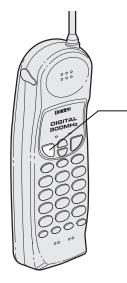
Redial will not function when using LDM through PBX.



Download from Www.Somanuals.com. All Manuals Search And Download.

Receiving a call

From the handset



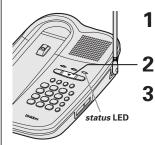
Handset on the base

- **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



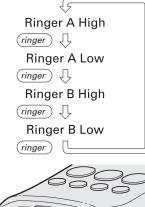
- The phone rings. The **status** LED on the base flashes.
- **2** Press (speaker).
 - Press **speaker**) to finish the call.

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.



ger on

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.

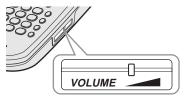
Base ringer switch

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

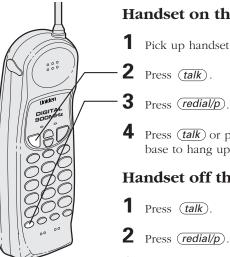
The last phone numbers entered can be quickly redialed.



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)



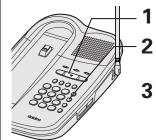
Handset on the base

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

Handset off the base

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

From the base

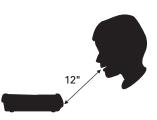


- Press (*speaker*).
- To call the last number dialed from the base, press (redial/p).
- Press (*speaker*) to finish the call.

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.

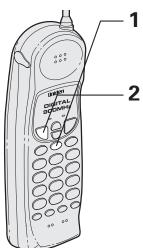
When speaking on the base



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.

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 (*memory*) 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 \bigcirc to \bigcirc on the keypad to select the memory location you wish to store the number
- 5 The confirmation beep indicates the number has been stored.

DIALING

On the base



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

2 Dial the number you wish to store.

3 Press *memory*).

Press (0) to (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.



NOTES

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

Making calls with memory dialing

2

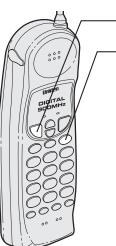
From the handset



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).



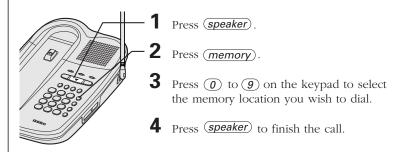
Press (talk).

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

Intercom from the base to handset



Press mute when paging, stops the paging.

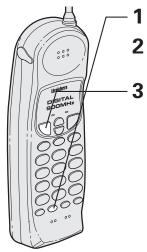


Press (*int'com*) on the base. The handset beep.

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



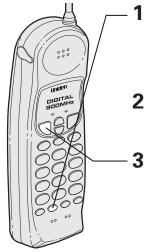
Press (int'com) on the handset.

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.

Transferring a call

To transfer from the handset to the base

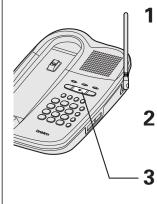


Press (*int'com*) on the handset while speaking on the handset. The caller is put on hold. The handset and base will enter the intercom mode. The inter'com tone sounds on the base.

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

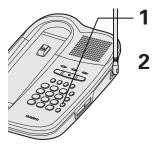


If the handset battery pack is completely discharged or the battery pack removed, the digital security code is erased. If this happens, a new security code is set automatically the next time the battery pack is charged.

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 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.

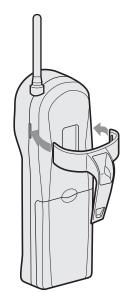
Installing the beltclip

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.

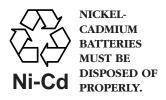


Note on power sources

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

YOUR NEW PHONE

Specifications

General

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

Base unit

(OUR NEW PHONE

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-905 600 mAH, 3.6V Capacity 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.

Index

0 - 9

3-way	conferencing	23

A, B

Base ringer switch16
Battery pack
Preparing and charging10
Replacement and
handling28

С

Channel1	12
Connection	.6

D

Dialing mode7	
Digital security code	

E, **F**, **G**

, ,		
Earpiece	volume	16

H

Headset installation27

I, J, K, L

Intercom24
Installing the beltclip27
LDM
(Long Distance Manager)13

M, N, O

Maintenance28
Making a call12
Memory dialing
Making a call
with memory dialing21
Erasing a stored phone
number22
Storing phone numbers
and names20
Mounting the base unit
to a wall8
Mute

P, Q

-	
Package	contents4

R

Receiving a call	15
Redialing a call	17
Handset ringer tone	16
Handset ringer switch	16

S

Setup	
Base unit	5
Handset	10
Speaker phone	.18
Specifications	.30

T,U, V, W, X, Y, Z

Tran	sfe	rring	a	cal	1	 	 25
Trou	ible	shoe	otir	ng .		 	 29



Download from Www.Somanuals.com. All Manuals Search And Download.

Download from Www.Somanuals.com. All Manuals Search And Download.

FOR PURCHASING A UNIDEN PHONE

Uniden

Covered under one or more of the following U.S. patents:

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	
© June 1999 Uniden America Corporation					

All rights reserved • Printed in China UCZZ016227Z. Download from Www.Somanuals.com. All Manuals Search And Download. Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com