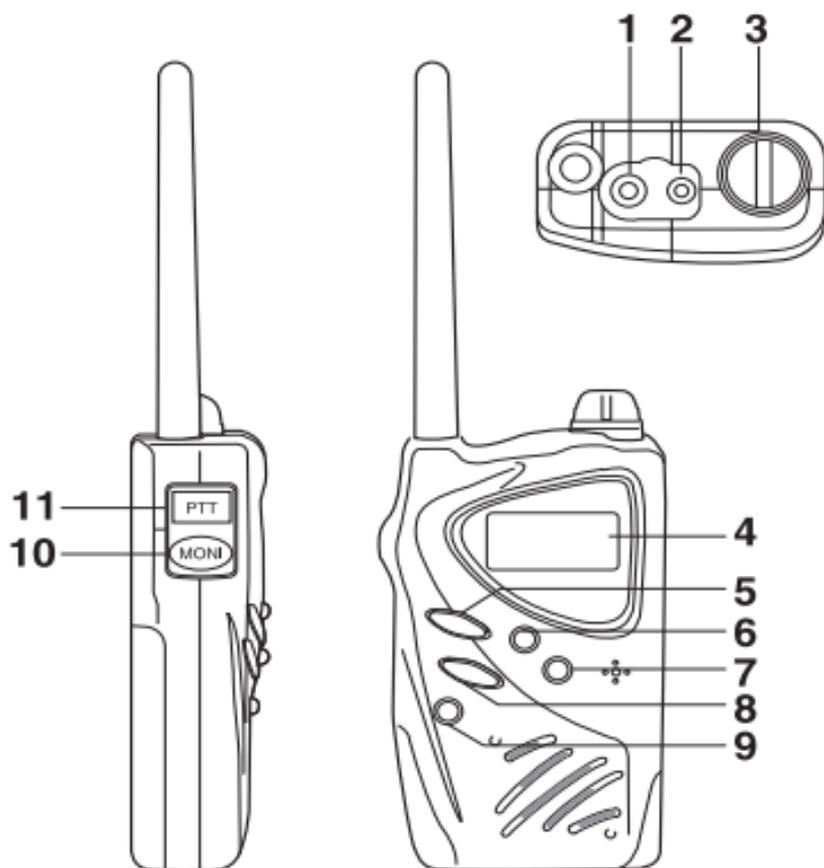


Front Cover

## Controls



- 1 Speaker jack
- 2 Microphone jack
- 3 **on/off volume**
- 4 LCD
- 5 **up** button
- 6 **mode/scan** button

- 7 **light/lock** button
- 8 **down** button
- 9 **call/vox** button
- 10 **MONI** button
- 11 **PTT** button

## FCC Information

*THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING CONDITIONS:*

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Important: Do not open your radio to make any internal adjustments. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians using the proper test equipment. To be safe and sure:

- Never open your radio's case.
- Never change or replace anything in your radio except the batteries.

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn it off. If the interference goes away, your radio is causing it. Try to eliminate the interference by moving your radio away from the receiver. If you cannot eliminate the interference, the FCC requires that you stop using the radio.

Audio Accessories: Do not operate the radio with audio accessories at high volume levels. Hearing experts advise against

continuous high volume operation. If you experience a ringing in your ears, reduce the volume level or discontinue use. Always make sure the radio is turned off before plugging audio accessories into the accessory jack.



Do not operate the radio in hazardous environments. Explosion or fire may result. Do not operate the radio near unshielded electrical blasting caps. Under certain conditions, radios can interfere with blasting operations and may cause an explosion. Turn your radio OFF to prevent accidental transmission when in a blasting area or in areas posted: "Turn off two-way radio." Construction crews often use remote control RF devices to set off explosives.

Care and Safety: To clean the radio, use a soft cloth dampened with water. Do not use cleaners or solvents because they can harm the body of the unit and leak inside, causing permanent damage. Use a dry, lint-free cloth to clean the battery contacts. The FRS1600 series is splash-proof, which means the unit will not be destroyed if water gets on it. However, do not submerge the unit in water. If the unit gets wet, turn it off and remove the batteries immediately. Dry the battery compartment with a soft cloth to minimize potential water damage. Leave the battery compartment cover off overnight to ensure complete drying. Do not use the radio until the unit is completely dry.

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## Welcome

Congratulations on your purchase of the Uniden FRS1400 series or FRS1600 series family radio. This product is a lightweight, palm-sized radio you can carry almost anywhere. Use it at shopping malls, amusement parks, or sporting events to stay in contact with family and friends, or in a neighborhood watch for vital communication. This compact, state-of-the-art device is equipped with the following features:

- 14 Channels
- Up to 2 mile range\*
- LCD Display
- Tone Alert for incoming calls
- Auto Channel Scan
- Keypad Lock
- 30 hours of operation
- Low Battery Indicator
- 38 Privacy Codes (*FRS1600 series only*)
- Splash-proof (*FRS1600 series only*)

*\* Range may vary depending on environmental and/or topographical conditions.*

## Optional Accessories

Your package contains the FRS1400 series or FRS1600 series radio, this reference guide, the accompanying belt clip and hand strap. You will need to purchase 3 AA Alkaline batteries in order to operate the unit. The following optional accessories may be purchased from your Uniden dealer or by calling **(800)554-3988**:

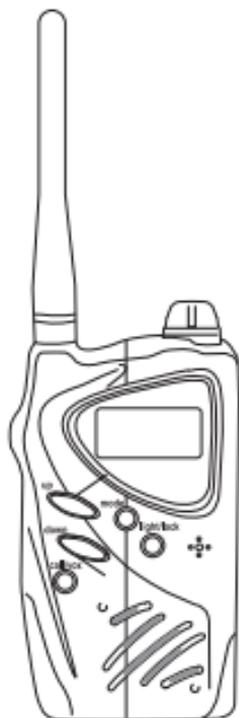
- VOX Headset
- Carrying Case



Hand strap



Belt clip and screw



FRS Unit

## Battery Installation

Your FRS1400 series or FRS1600 series radio uses 3 AA Alkaline batteries for power.

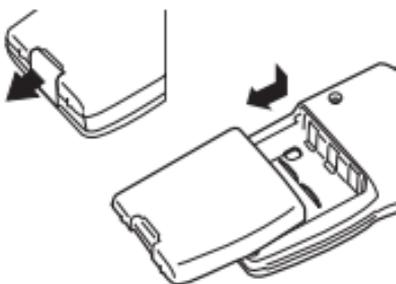
To install the batteries:

1. Make sure your radio is off.

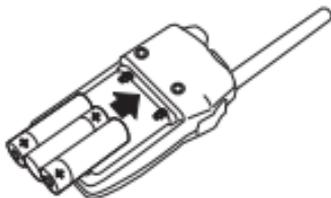


*Do not mix old and new batteries to avoid damage to the unit.*

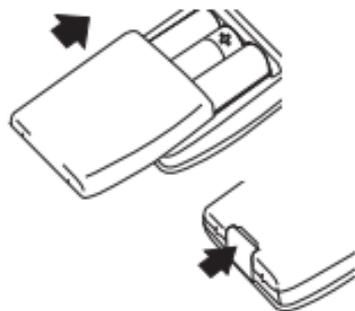
2. Unlatch the clip and slide the battery cover off.



3. Insert 3 AA batteries according to the polarity symbols on the inside of the battery compartment.

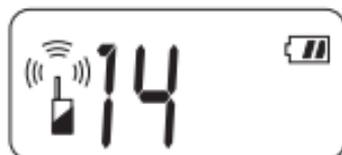


4. Replace the battery cover by pushing it up until it is secure, then latch the clip in place.



## Low Battery Alert

The LCD on your radio shows a battery meter in the upper right corner. Three bars indicate a fully powered unit. As the batteries lose power, bars will disappear on the meter.



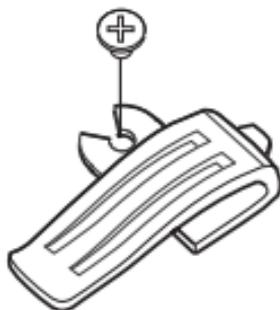
When the batteries in the unit are low, the unit will emit a chirping sound. Replace the batteries immediately to continue using the radio.

## Belt Clip Installation

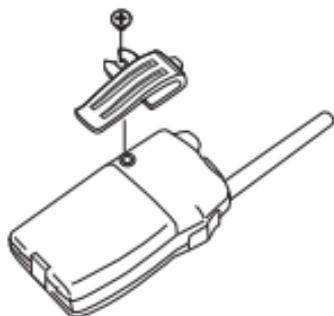
Because you will most likely use your radio when you are out and about, the unit comes equipped with a belt clip to securely fasten the unit to your belt, pocket or purse.

To attach the belt clip:

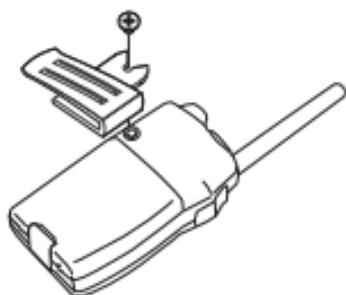
1. Insert the belt clip screw into the slot on the belt clip.



2. Align the screw with the hole on the back of the radio and turn it clockwise, using a Phillips screwdriver to secure the belt clip. **Do not over-tighten.**



3. The belt clip can be attached so that it rests vertically or horizontally. Turn the screw counter-clockwise to loosen the belt clip and change its position.



## Attaching the Hand Strap

The hand strap for the FRS radio can be attached to the belt clip for added transporting convenience. Simply thread the long end of the hand strap through the hole on the belt clip, then loop the long end through the short end and pull tight.

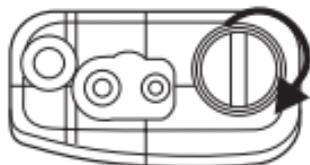


## Using Your Radio

In order to get the most out of your new radio, read this reference guide completely before attempting to operate the unit.

### *Turning the Radio On*

1. Turn the **on/off volume** control clockwise to turn the unit on.

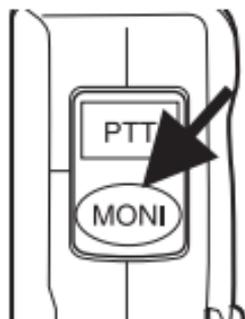


2. Turn the control counterclockwise to turn the unit off.



## *Adjusting the Volume*

1. Press the **MONI** button to hear background noise.



2. Turn the **on/off volume** control clockwise to increase the volume, counterclockwise to decrease the volume.

## *Adjusting the Sound*

Your radio emits a beep each time one of the buttons is pressed. To turn this sound off, press **PTT** and **MONI** at the same time. Press them again to turn the sound back on.

## *Choosing a Channel and Privacy Code*

Your radio has 14 channels and 38 privacy codes (*FRS 1600 series only*) you can use to talk to others. In order to speak to someone, each of you must be set to the same channel and privacy code.

To choose a channel for the FRS1600 series:

1. Press the **mode/scan** button to move the ▼ indicator to the channel mode. (*The **mode/scan** button allows you to switch between channel and code mode on the FRS1600 series only.*)



*The FRS1600 series is equipped with a **mode/scan** button. The FRS1400 series has a **scan** button.*

2. Press the **up** or **down** button repeatedly to select one of the 14 channels. (*The number on the LCD changes to indicate a new channel has been selected.*)



To choose a channel on the FRS1400 series follow *step 2* above.

Your radio also allows you to scan for active channels.

To use the Scan feature:

1. Press and hold the **mode/scan** button for one second to begin scanning channels. The LCD will indicate you are in scan mode. If a signal is present, the radio will stop on the active channel for five seconds.



2. Press the **up** button to resume scanning for the next channel.
3. To delete the current channel from being scanned, press the **down** button. The unit will immediately resume scanning for other channels.

**NOTE**

*The memory for deleted channels is cleared each time the **mode/scan** button is pressed and held for one second or after the unit is turned off.*

4. Press the **PTT** or **MONI** button to exit scan mode and stop at the current channel.
5. Press the **mode/scan** button to stop scanning and return to the original channel.



**NOTE**

*If no signal is found on a channel, the unit will continue to scan. If the **up** or **down** button is pressed, the unit will exit scan mode and stop at the current displayed channel.*

To choose a privacy code for the FRS1600 series:  
(Not available on the FRS1400 series)

1. Press the **mode/scan** button to move the ▼ indicator to the code mode.



2. Press the **up** or **down** button repeatedly to select one of the 38 privacy codes.
3. To turn off the privacy code, press the **up** or **down** button until the code 00 is selected.



**NOTE**

*If the code 00 is selected on your radio, you can receive a signal regardless of the Privacy Code settings of the people in your party.*

## *Locking In Your Selection*

In order to prevent the channel setting from accidentally being changed, you should lock the buttons of your FRS radio.

1. Press and hold the **light/lock** button for one second to lock the buttons. The LCD indicates the buttons are locked.



2. Press and hold again for one second to unlock the buttons.

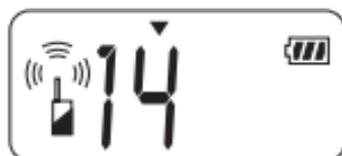


*Using the lock function allows you to maintain your channel and code settings. The **call/vox**, **PTT** and **MONI** buttons will not lock.*

## *Talking on Your Radio*

To talk to others using the radio:

1. Press and hold the **PTT** button and speak into the microphone. The following LCD screen appears:



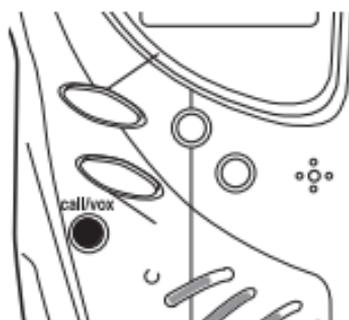
2. When you finish speaking, release the **PTT** button. Your party cannot send messages through while the **PTT** button is pressed.

## *Tone Alert for Incoming Calls*

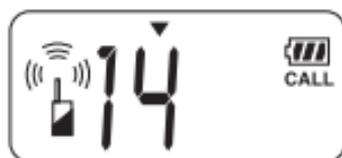
Your FRS1400 series or FRS1600 series radio is equipped with a call feature which informs you of an incoming call. A call tone will sound and the receive icon flashes on the LCD.



To use this feature to contact someone in your party, press and hold the **call/vox** button.



**CALL** and the transmit icon appear on the LCD for five seconds.



## *LCD Backlight*

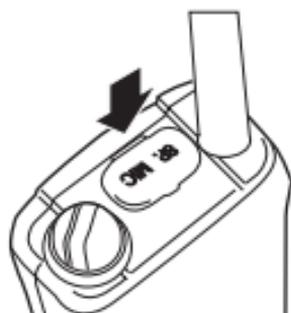
The LCD display can be illuminated to assist your viewing. Press the **light/lock** button to turn on the display backlight. The light goes off automatically after two seconds.

## *Voice-Activated Transmission*

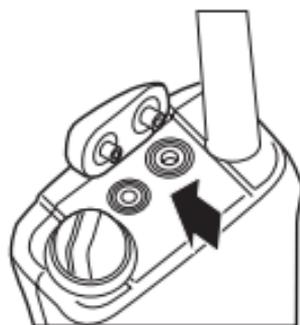
Your radio has built-in voice-activated transmission (VOX) capability. This means the sound of your voice can activate transmission with the use of the *optional* VOX headset.

To use this feature:

1. Remove the speaker/microphone jack cover.



2. Plug the *optional* VOX headset into the speaker/microphone jacks on the top of the unit.



3. Press and hold the **call/vox** button while turning the unit on to get into VOX mode.
4. Press the **mode/scan** and **call/vox** buttons at the same time to go into VOX level control mode. The LCD flashes **VOX** and the current VOX level. The image shows a rectangular LCD display with a black border. Inside the display, the number '10' is shown in a large, black, digital font. Below the number '10', the word 'VOX' is written in a smaller, black, sans-serif font.
5. Press the **up** or **down** button to adjust the VOX sensitivity level. (*1 represents the highest sensitivity.*)
6. Press the **mode/scan** or **call/vox** button to exit VOX level control mode.

## Troubleshooting

<b>Problem</b>	<b>Solution</b>
<i>No power</i>	<ul style="list-style-type: none"><li>• Reposition or replace batteries.</li></ul>
<i>Message not transmitted</i>	<ul style="list-style-type: none"><li>• Make sure the PTT button is completely pressed as you transmit.</li><li>• Reposition or replace batteries.</li></ul>
<i>Message not received</i>	<ul style="list-style-type: none"><li>• Confirm radios have the same channel and privacy code setting.</li><li>• Make sure PTT is not inadvertently being pressed.</li><li>• Reposition or replace batteries.</li><li>• Obstructions, operating indoors or in vehicles may interfere with communication. Change your location.</li><li>• Check to make sure volume is turned up.</li></ul>
<i>Hearing other conversations or noise on a channel</i>	<ul style="list-style-type: none"><li>• Confirm privacy code is set.</li><li>• Shared channel or privacy code may be in use. Try another.</li></ul>

<b>Problem</b>	<b>Solution</b>
<i>Limited talk range</i>	<ul style="list-style-type: none"> <li>• Street/ concrete structures, heavy foliage and use in buildings and in vehicles will decrease range. Check for clear line of sight to improve transmission.</li> <li>• Wearing the radio close to the body, such as in a pocket or on a belt will decrease range. Change the location of radio.</li> </ul>
<i>Heavy static or interference</i>	<ul style="list-style-type: none"> <li>• Radios are too close. Radios must be at least 5 feet apart. Increase your distance.</li> <li>• Radios are too far apart. Obstacles interfere with transmission. Talk range is up to 2 miles in clear, unobstructed conditions.</li> </ul>

If after trying these simple steps, your unit still does not function properly, call Uniden Customer Service at (800)297-1023 Monday through Friday, 8 a.m. to 5 p.m. Central time.

# Specifications

## Description

<b>Channels</b>	14
<b>Codes</b> ( <i>FRS 1600 series only</i> )	38 STANDARD CTCSS Tone
<b>Operating Frequency</b>	UHF - 462.550 to 467.725 MHz
<b>Talk range</b>	Up to 2 Miles
<b>Power Source</b>	3AA Alkaline Batteries
<b>Out Power</b>	500mW
<b>Battery Life</b>	30 Hours (5/5/90 duty cycle)

## Channel Frequency Chart (MHz)

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	462.5625	6	462.6875	11	467.6375
2	462.5875	7	462.7125	12	467.6625
3	462.5875	8	467.5625	13	467.6875
4	462.6375	9	467.5875	14	467.7125
5	462.6625	10	467.6125		

## CTCSS Chart (Hz)

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3
13	103.5	26	162.2		

Back Cover