



# Uniden®

## **EZI33XLT+ Scanner**

Owner's Manual



# IMPORTANT INFORMATION

---

## PRECAUTIONS

Before you use this scanner, please read and observe the following:

### **BATTERIES WARNING!**

- **Do not recharge alkaline batteries.**
- *Use only fresh batteries of the required size and recommended type.*
- *Always remove old or weak batteries. Batteries can leak chemicals that destroy electronic circuits.*
- *Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.*

### **EARPHONE WARNING!**

*Use only a genuine Uniden earphone. An incorrect earphone may be hazardous to your hearing. Turn down volume before connecting the earphone and then adjust volume to suit.*

### **WARNING!**

*Uniden **does not** represent this unit to be waterproof. To reduce the risk of fire or electrical shock, do not expose this unit to rain or moisture.*

# CONTENTS

---

<b>IMPORTANT INFORMATION</b> . . . . .	<b>1</b>
Precautions . . . . .	1
<b>ABOUT YOUR EZI33XLT+ SCANNER.</b> . . . . .	<b>4</b>
To Change the Band Plan . . . . .	5
<b>FEATURES</b> . . . . .	<b>6</b>
What is Scanning?. . . . .	9
Conventional Scanning . . . . .	9
Where To Obtain More Information . . . . .	10
<b>UNDERSTANDING SCANNING.</b> . . . . .	<b>9</b>
<b>INCLUDED WITH YOUR SCANNER.</b> . . . . .	<b>11</b>
<b>SETTING UP YOUR SCANNER</b> . . . . .	<b>12</b>
Installing and Replacing Batteries . . . . .	12
Using Rechargeable Batteries . . . . .	13
Connecting the Antenna . . . . .	14
Connecting an Optional Antenna . . . . .	14
Connecting the Earphone. . . . .	15
Attaching the Belt Clip. . . . .	16
<b>EZI33XLT+ CONTROLS AND DISPLAY</b> . . . . .	<b>17</b>
A Look At The Keypad. . . . .	18
A Look At The Display . . . . .	21
<b>OPERATION</b> . . . . .	<b>22</b>
To turn Power ON or OFF. . . . .	22
To Adjust the Squelch . . . . .	23

# CONTENTS

---

To Adjust the Volume . . . . .	23
Operating Modes . . . . .	23
Instant Channels . . . . .	24
Service Scan . . . . .	25
Favourites Scan . . . . .	26
Scanning Service & Favourites. . . . .	26
Select Step Frequency. . . . .	27
Lockout Preprogram Frequency . . . . .	27
Lockout Favourite Channel . . . . .	28
Storing Frequencies . . . . .	29
Editing Frequencies. . . . .	30
Using Keylock. . . . .	30
Using the Display Backlight. . . . .	30
<b>TROUBLESHOOTING . . . . .</b>	<b>31</b>
Resetting the Scanner . . . . .	32
<b>CARE AND MAINTENANCE . . . . .</b>	<b>32</b>
General Use . . . . .	33
Location . . . . .	33
Cleaning . . . . .	33
Birdies . . . . .	33
<b>SPECIFICATIONS. . . . .</b>	<b>34</b>
<b>SIMPLIFIED EU DECLARATION OF CONFORMITY . . . . .</b>	<b>37</b>

# **ABOUT YOUR EZI33XLT+ SCANNER**

---

Thank you for purchasing a Uniden EZI33XLT+ Handheld Scanner. The scanner is versatile, compact, and easy to use.

The EZI33XLT+ comes pre-programmed with frequencies - organised into 9 Service banks for monitoring emergency, freenet, PMR, marine, VHF-Low band, FM radio band, Air band, VHF-High band and UHF band frequencies.

Each Service bank has a Favourites bank for storing your favourite frequencies. Up to 180 frequencies can be stored in Favourites banks. Frequencies in Favourites can be copied from the Service bank. Manually store your favourite sports or events frequencies found through the internet and other sources.

Additionally you have 3 Instant channels which are one-touch keys to store your 3 favourite frequencies.

# ABOUT YOUR EZI33XLT+ SCANNER

---

## TO CHANGE THE BAND PLAN

You can change the band coverage by band plan.

To switch the band plan between 1 and 2.

1. Make sure the power is turned off.
2. While holding down **(1)** or **(2)** key, turn on the scanner.

Band Plan 1...**(1)** key

Band Plan 2...**(2)** key

**Notice:** *Any Band Plan change will modify the factory preset channel steps settings of all bands and the memory contents of the Emergency bank.*

# FEATURES

---

## ***Band Plan 1***

<b>Range (MHz)</b>	<b>Step (kHz)</b>	<b>Mode</b>
78.0000 - 79.9950	5	FM
80.0000 - 82.9950	5	FM
83.0000 - 84.0100	5	FM
84.0150 - 87.2950	5	FM
87.3000 - 107.9500	50	FMB
108.0000 - 136.99166	8.33	AM
137.0000 - 137.99375	6.25	FM
138.0000 - 143.99375	6.25	FM
144.0000 - 145.99375	6.25	FM
146.0000 - 155.99375	6.25	FM
156.0000 - 157.43125	6.25	FM
157.4375 - 157.99375	6.25	FM
158.0000 - 160.59375	6.25	FM
160.6000 - 162.0250	6.25	FM
162.03125 - 162.59375	6.25	FM
162.6000 - 174.0000	6.25	FM
406.0000 - 439.99375	6.25	FM
440.0000 - 449.99375	6.25	FM
450.0000 - 465.99375	6.25	FM
466.0000 - 469.99375	6.25	FM
470.0000 - 512.0000	6.25	FM



# FEATURES

---

## ***Band Plan 2***

<b>Range (MHz)</b>	<b>Step (kHz)</b>	<b>Mode</b>
78.0000 - 79.9950	5	FM
80.0000 - 82.9950	5	FM
83.0000 - 84.0100	5	FM
84.0150 - 87.2950	20 with 15 Offset	FM
87.3000 - 107.9500	50	FMB
108.0000 - 136.99166	8.33	AM
137.0000 - 137.9950	5	FM
138.0000 - 143.9950	5	FM
144.0000 - 145.9875	12.5	FM
146.0000 - 155.9900	10	FM
156.0000 - 157.4250	12.5	FM
157.4375 - 157.9875	12.5	FM
158.0000 - 160.5875	12.5	FM
160.6000 - 162.0250	12.5	FM
162.0300 - 162.5900	10	FM
162.6000 - 174.0000	10	FM
406.0000 - 439.99375	6.25	FM
440.0000 - 449.99375	6.25	FM
450.0000 - 465.9900	10	FM
466.0000 - 469.9900	10	FM
470.0000 - 512.0000	6.25	FM

“FMB” means FM Broadcast demodulation [WFM (Broadcast)].

# FEATURES

---

## **PRE-PROGRAMMED SERVICE SCAN**

9 banks of pre-programmed frequencies ready for scanning.

## **FAVOURITE SCAN**

Up to 180 user programmable frequencies can be stored and scanned in Favourites scan mode. Each SERVICE has a Favourites bank for storing and scanning up to 20 of your favourite frequencies.

## **INSTANT CHANNEL**

3 one-touch keys to store your 3 favourite frequencies.

## **DROPOUT DELAY**

The scanner, during scan, pauses at the end of a transmission to wait for a reply. Delay time is 2 seconds.

## **LCD BACKLIGHT**

You can turn the orange LCD back light on/off.

## **KEY LOCK**

Lets you lock the scanner's keys to help prevent accidental changes to the scanner's programming.

## **MEMORY BACK UP**

Keeps the frequencies stored in memory for an extended time if the scanner loses power.

## **BATTERY LOW ALERT**

Warns you when the battery power gets low.

## **LOCK-OUT**

Lets you set your scanner to skip over specified channels or frequencies when scanning.

# UNDERSTANDING SCANNING

---

This section provides you with background on how scanning works. You don't really need to know all of this to use your scanner, but some background knowledge will help you get the most from your EZI33XLT+.

## WHAT IS SCANNING?

Unlike standard AM or FM radio stations, most two-way communications do not transmit continuously. Your EZI33XLT+ scans programmed channels until it finds an active frequency, then stops on that frequency and remains on that channel as long as the transmission continues. When the transmission ends, the scanning cycle resumes until the scanner receives another transmission.

## CONVENTIONAL SCANNING

Conventional scanning is a relatively simple concept. Each group of users in a conventional system is assigned a single frequency (for simplex systems) or two frequencies (for repeater systems). Any time one of them transmits, their transmission always goes out on the same frequency. Up until the late 1980's, this was the primary way that radio systems operated.

Even today, there are many 2-way radio users who operate using a conventional system:

- Emergency Services (Police/Fire/Ambulance)
- Freenet
- PMR
- Marine Radio
- Aircraft
- Many business radio users

# UNDERSTANDING SCANNING

---

When you want to store a conventional system, all you need to know is the frequencies they operate on. When you are scanning a conventional system, the scanner stops very briefly on each channel to see if there is activity. If there isn't, the scanner quickly moves to the next channel. If there is, then the scanner pauses on the transmission until it is over.

## WHERE TO OBTAIN MORE INFORMATION

By itself, this manual really only provides part of what you need to know to have fun scanning - how to program and use the scanner.

# INCLUDED WITH YOUR SCANNER

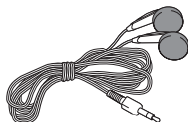
---



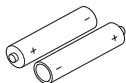
**EZI33XLT+  
Scanner**



**Antenna  
BNC Type**



**Stereo  
Earphone**



**2 x AA NiMH  
Batteries  
1.2 V 2300 mA<sup>H</sup>**



**Belt Clip**



**USB Cable  
Charge Function  
Only**



**Owner's  
Manual**

**NOTE:** If any of these items are missing or damaged, contact your place of purchase.

# SETTING UP YOUR SCANNER

---

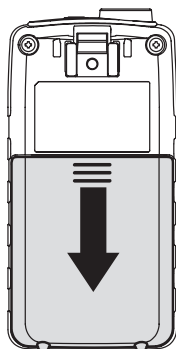
These guidelines will help you install and use your new scanner:

- If your scanner receives interference or electrical noise, move the scanner or its antenna away from the source.
- To improve the scanner's reception, use an optional external antenna designed for multiband coverage. (You can purchase this type of antenna at a local electronics store). If the optional antenna has no cable, use 50 Ohm coaxial cable for lead-in. A mating plug might be necessary for the optional antennas.
- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the scanner in direct sunlight or near heating elements or vents.

## INSTALLING AND REPLACING BATTERIES

You can power your scanner using two AA NiMH batteries.

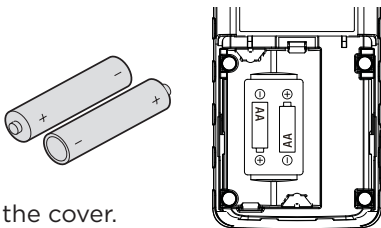
1. Make sure the power is turned off.
2. If the belt clip is attached, remove it (See page 16).
3. Slide the battery compartment cover down as shown.



# SETTING UP YOUR SCANNER

---

4. Install two AA NiMH batteries in the compartment as indicated by the polarity symbols (+ and -) marked inside.



5. Replace the cover.

## USING RECHARGEABLE BATTERIES

You can also use two rechargeable batteries (NiMH) to power your scanner. Before you use rechargeable batteries, make sure the batteries are fully charged.

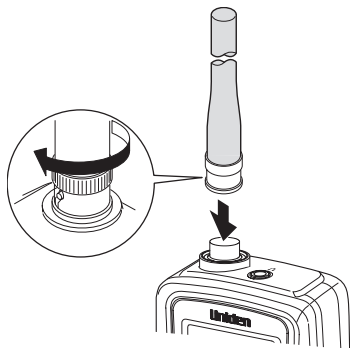
### **CAUTIONS:**

- Use only fresh batteries of the required size and recommended type.
- Always remove old or weak batteries. Batteries can leak chemicals that destroy electronic circuits.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- Do not recharge alkaline batteries.

# SETTING UP YOUR SCANNER

---

## CONNECTING THE ANTENNA



To attach the supplied flexible antenna to the connector on the top of your scanner, align the slots around the antenna's connector with the tabs on the scanner's BNC connector. Then slide the antenna's connector down over the scanner's connector and rotate the antenna connector's outer ring clockwise until it locks into place.

## CONNECTING AN OPTIONAL ANTENNA

The scanner's BNC connector makes it easy to connect a variety of optional antennas, including an external mobile antenna or outdoor base station antenna.

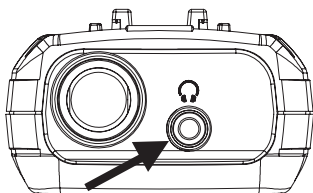
**NOTE:** Always use 50-Ohm, RG-58, or RG-8, coaxial cable to connect an outdoor antenna. If the antenna is over 15 metres from the scanner, use RG-8 lowloss dielectric coaxial cable. You can get a BNC adapter at your local electronics store.



# SETTING UP YOUR SCANNER

---

## CONNECTING THE EARPHONE



For private listening, you can plug the 3.5 mm miniplug earphone into the headphone jack on top of your scanner. This automatically disconnects the internal speaker.

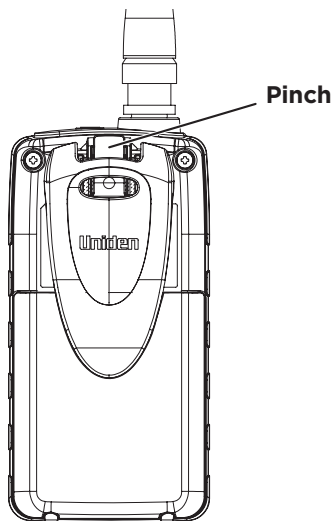
### **WARNING!**

*If you connect an external speaker to the scanner's headphone jack, never connect the audio output line to a power supply and ground. This might damage the scanner.*

# SETTING UP YOUR SCANNER

---

## ATTACHING THE BELT CLIP



To make your scanner easier to carry when you are on the go, use the supplied belt clip. Slide the belt clip into the hanger piece on the back of the scanner. To remove, slide up the belt clip pulling the pinch at the middle of the belt clip.

# EZI33XLT+ CONTROLS AND DISPLAY

---




# EZI33XLT+CONTROLS AND DISPLAY







## A LOOK AT THE KEYPAD



Your scanner's keys have various functions labelled on the key tops and below the keys.



Key Name	Description
	<ul style="list-style-type: none"><li>• Press to go to volume control mode.</li><li>• Press to go to squelch control mode.</li><li>• Press to go to step mode for VHF-Low, FM, AIR, VHF-High and UHF bank.</li><li>• Press &amp; hold this key to disable the keypad.</li></ul>

# EZI33XLT+CONTROLS AND DISPLAY

	<ul style="list-style-type: none"><li>• Press to lock out a selected favourite channel or specified preprogram frequency.</li><li>• Press &amp; hold to clear all lockout frequencies in Service Scan Mode (include hold mode).</li><li>• Press &amp; hold to clear all lockout channels in Favourite scan mode (include hold mode).</li><li>• Press &amp; hold to clear channel memory in Editing Favourite or Instant channel.</li></ul>
	<ul style="list-style-type: none"><li>• Press to turn on/off the LCD back light.</li><li>• Press &amp; hold to turn the power on/off.</li><li>• Press to move the digit to right in Edit Favourite / Instant Channel Mode.</li></ul>
	<ul style="list-style-type: none"><li>• Press to select Instant channel 1.</li><li>• Press &amp; hold to store Instant channel 1.</li></ul>
	<ul style="list-style-type: none"><li>• Press to select Instant channel 2.</li><li>• Press &amp; hold to store Instant channel 2.</li></ul>
	<ul style="list-style-type: none"><li>• Press to select Instant channel 3.</li><li>• Press &amp; hold to store Instant channel 3.</li><li>• Press to move the digit to left in Edit Favourite / Instant Channel Mode.</li></ul>
	<ul style="list-style-type: none"><li>• Press to toggle change the service bank.</li><li>• Press &amp; hold to toggle between Service Scan Mode and Favourite Scan Mode. (Or between Service Scan Hold Mode and Favourite Scan Hold Mode.)</li></ul>

# EZI33XLT+CONTROLS AND DISPLAY

---

	<ul style="list-style-type: none"><li>• Press to Start/Stop Scan Mode.</li><li>• Press &amp; hold to go to Programming Channel Mode in Service Scan Hold Mode or while monitoring a frequency.</li><li>• Press &amp; hold to store the frequency in Programming Channel Mode.</li></ul>
	<ul style="list-style-type: none"><li>• Press to change volume level in volume control mode.</li><li>• Press to change squelch level in squelch control mode.</li><li>• Press to change step in step mode.</li><li>• Press to change the direction of the scan.</li><li>• Press to resume scanning while monitoring a frequency.</li><li>• Press to select channels in Service / Favourite Scan Hold Mode or Programming Channel Mode.</li><li>• Press for more than one second to rapidly select channels upwards or downwards in Service / Favourite Scan Hold Mode or Programming Channel Mode.</li><li>• Press to edit frequencies in Edit Favourite / Instant Channel Mode.</li><li>• Press for more than one second to rapidly edit frequencies upwards or downwards in Edit Favourite / Instant Channel Mode.</li></ul>

# EZI33XLT+CONTROLS AND DISPLAY

---

## A LOOK AT THE DISPLAY




The display has indicators that show the scanner's current operating status. The display information helps you understand how your scanner operates.

- FAV** - appears when Favourites or Instant mode is selected.
- EMG** - appears when Emergency (EMG) bank is selected.
- FRN** - appears when Freenet (FRN) bank is selected.
- PMR** - appears when PMR bank is selected.
- MRN** - appears when Marine bank is selected.
- L/O** - appears when you manually select a Favourite channel or specified preprogram frequency you locked out.

# EZI33XLT+ CONTROLS AND DISPLAY

---

-  - appears when keylock is activated.
- HOLD** - appears when Hold is selected during scanning modes.
  - appears during Instant mode.
- V-LO** - appears when VHF Low band is selected.
- FM** - appears when FM Radio band is selected.
- AIR** - appears when Aircraft band is selected.
- V-HI** - appears when VHF High band is selected.
- UHF** - appears when UHF band is selected.
- BATT** - blinks when battery level is low.
  - lights up when charging with the power off.
  - blinks at charging error when charging with the power off.

## OPERATION

---

### TO TURN POWER ON OR OFF

1. Press & hold (**Pwr**).

When power is turned on, the band plan is displayed momentarily.





# OPERATION

---

## TO ADJUST THE SQUELCH

### What is the Squelch?

When there is no signal present on a particular frequency the radio only hears noise. The Squelch feature mutes the audio when there is no signal or no strong signal present. By adjusting the squelch level you control how strong a signal needs to be to open the squelch and unmute the audio.

1. Press **(Vol/Sq/Stp)** until a squelch level appears and then adjust using the **▲ / ▼** keys. The squelch level can range from 0 (open squelch) to 10 (tight squelch).

**TIP!** Set the squelch level to 5 to start, you can always adjust it later.

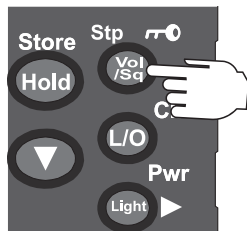
## TO ADJUST THE VOLUME

1. Press **(Vol/Sq/Stp)**.

Then adjust using the **▲ / ▼** keys. The volume level can range from 0 (no volume) to 30 (maximum).

## OPERATING MODES

- INSTANT Channels (1), (2) and (3)
- SERVICE scan
- FAVOURITES scan



# OPERATION

---

## INSTANT CHANNELS

The INSTANT channels are 3 one-touch keys to store your 3 favourite frequencies. The channels remain empty until you store a frequency to them.

At any time press **(1)**, **(2)** or **(3)** to select the instant channel.



### To store an Instant channel:

1. Select the desired Instant channel **(1)**, **(2)** or **(3)**;
2. Press & hold **(Store)** to enter the STORE mode. The editable digit flashes.
3. Use the ◀/▲/▼/▶ keys to select the desired frequency.
4. Press & hold **(Store)** to store the frequency to the instant channel.



*Ex: Display instant channel number to a channel number indication segment.*

### To store a frequency that is displayed during SCAN mode to an Instant channel;

1. Press & hold **(1)**, **(2)** or **(3)** to immediately store that frequency to the Instant key.

# OPERATION

---

## To clear the Instant channel:

1. Press & hold **(Store)** to enter the STORE mode in instant channel.
2. Press & hold **(Clr)** to clear the frequency.

## SERVICE SCAN

The Service mode scans the 9 pre-programmed SERVICE banks;

<b>EMG</b>	Emergency (EMG)	<b>AIR</b>	Aircraft Band
<b>FRN</b>	Freenet (FRN)	<b>MRN</b>	Marine Band
<b>PMR</b>	PMR	<b>V-HI</b>	VHF High Band
<b>V-LO</b>	VHF Low Band	<b>UHF</b>	UHF Band
<b>FM</b>	FM Radio Broadcast		

# OPERATION

---

## FAVOURITES SCAN

Each SERVICE bank has a FAVOURITES bank which remains empty until you store your favourite frequencies to it.

## SCANNING SERVICE & FAVOURITES

**To go to scan mode or scan the next bank:**

1. Press **(Srvc/Fav)** until the bank you want to scan displays. When **HOLD** icon appears, press **(Hold)** to resume scan. Scan starts automatically. When there are no frequencies stored in the Favourites bank then the display flashes “noCH”.



*Ex: Service scan, AIR bank*



*Ex: Favourites scan, no channels*

**NOTE:** Only one bank can be scanned at a time. The banks can be changed in the following order; EMG > FRN > PMR > MRN > V-LO > FM > AIR > V-HI > UHF

**To switch scan modes between Service scan and Favourite scan:**

1. Press & hold **(Srvc/Fav)**. In Service mode the **FAV** icon does not show on the display. In Favourites mode the **FAV** icon shows on the display.



*Ex: Service scan*



*Ex: Favourites scan*

# OPERATION

---

## To pause scan:

1. Press **(Hold)** at any time to pause scan on the current frequency. **HOLD** icon appears.
2. Use the **▲ / ▼** keys to go to the previous/next frequency in the service bank or the previous/next channel in the favourites bank.
3. Press **(Hold)** again to resume scan.



*Ex: Service scan Hold*

## SELECT STEP FREQUENCY

You can change the steps of VHF-Low, FM, Aircraft, VHF-High and UHF bank.

1. Press **(Srv)** until a bank you want to change appears.
2. Press **(Stp)** until a step mode appears.
3. Use the **▲ / ▼** to select steps from Auto / 5.0 / 6.25 / 10.0 / 12.5 kHz ( The Step for Aircraft bank is 8.33 or 12.5 kHz.)
4. Press **(Clr)** or **(Stp)** or wait for 2 seconds to return to the mode you were in.

## LOCKOUT PREPROGRAM FREQUENCY

You can skip up to 40 specified frequencies during a Service scan. This lets you avoid unwanted frequencies in Service Scan Mode.

# OPERATION

---

## To skip a frequency:

1. Press **(L/O)** when the scanner stops on the frequency in Service Scan Mode or when you have selected frequency manually in Service scan hold mode. **L/O** appears.

## To cancel skip for a single frequency:

1. Manually select the frequency, then **(L/O)**. **L/O** disappears.

## To cancel all skip frequencies:

1. Press **(Hold)** to stop scanning in Service scan hold mode, then press & hold **(L/O)**. A confirmation tone sounds.

## LOCKOUT FAVORITE CHANNEL

You can increase the scanning speed by locking out channels that have a continuous transmission for all the channels in favourite channel memory.

### To lock out a channel:

1. Manually select the channel, then press **(L/O)**. **L/O** appears.

**Note:** *You can still manually select locked-out channels.*

### To remove the lockout from a channel:

1. Manually select the channel, then press **(L/O)**. **L/O** disappears.

### To unlock all channels in the bank:

1. Press **(Hold)** to stop scanning in favourite scan hold mode, then press & hold **(L/O)**. A confirmation tone sounds.

# OPERATION

---

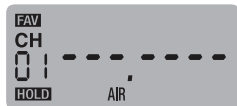
## STORING FREQUENCIES

### To store a Service bank frequency to the Favourites bank:

1. Go to service scan mode. When a desired frequency is found, press **(Hold)** to pause scan.
2. Press & hold **(Store)** to enter the STORE mode. The display toggles between frequency and the next available channel in the Favourites bank.
3. Use the **▲ / ▼** keys to select the desired favourites channel to store the frequency to.
4. Press & hold **(Store)** to store the frequency. The radio stays in the favourites mode.



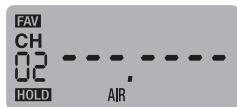
*Ex: Service scan Hold*



*Ex: Store Favourites,  
CH 01 (AIR)*

### To manually store a frequency to the Favourites bank:

1. Go to favourites mode and select desired bank.
2. Press **(Hold)** to pause scan.
3. Use **▲ / ▼** to select desired channel.
4. Press & hold **(Store)** to enter the STORE mode. The editable digit flashes.
5. Use the **◀ / ▲ / ▼ / ▶** keys to select the desired frequency.
6. Press & hold **(Store)** to store the frequency.



*Ex: Store Favourites,  
CH 02 (AIR)*

### To store a frequency to an Instant Channel

See Instant Channels on page 24.



*Ex: Store Favourites,  
Select Desired Frequency  
(AIR)*

# OPERATION

---

## EDITING FREQUENCIES

1. Go to a desired Favourites or Instant channel.
2. Press & hold **(Store)** to enter the STORE mode. The editable digit flashes.
3. Use the ◀/▲/▼/▶ keys to edit the frequency.
4. Press & hold **(Store)** to store the frequency.



*Ex: Edit Favourites,  
Select Desired Frequency  
CH 03 (MRN)*

### To clear the Favourite or Instant channel:

1. Go to a desired Favourites or Instant channel.
2. Press & hold **(Store)** to enter the STORE mode. The editable digit flashes.
3. Press & hold **(Clr)** to clear the frequency.

## USING KEYLOCK

Use the scanner's keylock to protect it from accidental program changes. When the scanner's keys are locked, the only controls that operate are **(Vol / Sq / Stp / 🔒)**, **(Light / Pwr)** and ▲ / ▼ when volume or squelch level is displayed.

1. Press & hold **(Vol / 🔒)** to turn key lock on/off. A confirmation tone sounds. 🔒 appears while key lock is on.

**NOTE:** Using keylock does not prevent the scanner from scanning channels.

## USING THE DISPLAY BACKLIGHT

1. Press **(Light/Pwr)** to turn the backlight on/off. The backlight is off when power is turned on. The display lights for 30 seconds when backlight is turned on.



# TROUBLESHOOTING

---

If your EZI33XLT+ is not performing properly, try the following steps.

Problem	Possible Cause	Suggestion
Improper reception.	The scanner's antenna might need to be adjusted.	Check the antenna connection or move or reposition the antenna.
		Move the scanner.
		You might be in a remote area that could require an optional multi-band antenna. Check with your dealer or local electronics store.
Scan won't stop.	The squelch might need to be adjusted.	Adjust the squelch threshold. See "To adjust the squelch" on page 23.
	The antenna might need to be adjusted.	Check the antenna connection.
	The channel's frequency might not be stored in favourites.	Make sure the channel's frequency is stored in the scanner's favourites bank.
	The channel might not be active.	Wait for a transmission on the channel.
Scan won't start.	You must be in service or favourites mode.	Press (Srcv/Fav). If <b>HOLD</b> is showing press (Hold) to resume.
	The squelch might need to be adjusted.	Adjust the squelch threshold. See "To adjust the squelch" on page 23.
	The antenna might need to be adjusted.	Check the antenna connection.
ErrChg flashes	The battery cannot be charged	The cause is an alkaline battery or a defective nickel metal hydride battery.

# TROUBLESHOOTING

---

## RESETTING THE SCANNER

If the scanner's display locks up or stops operating properly, you might need to reset the scanner.

### **CAUTION:**

*This procedure clears all the information you have stored in the scanner. Before you reset the scanner, try turning it off and on to see if it begins working properly. Reset the scanner only when you are sure it is not working properly.*

1. Turn off the scanner.
2. While holding down ▲ and ▼, turn on the scanner.  
It takes about 1 second to initialize and **CLEAR** appears.

## CARE AND MAINTENANCE

---

Keep the scanner dry. If it gets wet, wipe it dry immediately. Use and store the scanner only in normal temperature environments. Handle the scanner carefully: do not drop it. Keep the scanner away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

## GENERAL USE

- Always write down the programmed frequencies in the event of memory loss.

# TROUBLESHOOTING

---

- If memory is lost, simply reprogram each channel. The display shows - - - - - in all channels when there has been a memory loss.
- Always press each button firmly until you hear the entry tone for that key entry.

## LOCATION

- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- If the scanner receives strong interference or electrical noise, move it or its antenna away from the source of the noise. If possible, a higher elevation might provide better reception.
- Also try changing the height or angle of the antenna.

## CLEANING

- Clean the outside of the scanner with a mild detergent.
- To prevent scratches, do not use abrasive cleaners or solvents. Be careful not to rub the LCD window.
- Do not use excessive amounts of water.

## BIRDIES

All radios can receive “birdies” (undesired signals). If your scanner stops during Scan mode and no sound is heard, it might be receiving a birdie. Birdies are internally generated signals inherent in the electronics of the receiver.

Press ▲ / ▼ to resume scanning. Or press **(L/O)** to lock out the channel or frequency.

# SPECIFICATIONS

---

Channels (Favourites + Instant):.....183

**Frequency Range (in MHz)** See page 6

Sensitivity (12 dB SINAD) (Nominal)

78.0000 MHz (FM).....	0.5 $\mu$ V
84.1250 MHz (FM).....	0.4 $\mu$ V
90.0000 MHz (FMB).....	0.8 $\mu$ V
107.5000 MHz (FMB).....	0.9 $\mu$ V
118.8000 MHz (AM).....	0.4 $\mu$ V
127.1750 MHz (AM).....	0.4 $\mu$ V
135.5000 MHz (AM).....	0.4 $\mu$ V
138.1500 MHz (FM).....	0.3 $\mu$ V
162.4000 MHz (FM).....	0.3 $\mu$ V
173.2250 MHz (FM).....	0.3 $\mu$ V
406.8750 MHz (FM).....	0.3 $\mu$ V
453.2500 MHz (FM).....	0.3 $\mu$ V
511.9125 MHz (FM).....	0.3 $\mu$ V

# SPECIFICATIONS

---

## Operating Temperature

Normal ..... -20°C to +60°C  
Scan Rate: ..... 30 channels per second (Nominal)  
IF Rejection (at 162.4 MHz)..... 60 dB (Nominal)

## IF Frequencies (Nominal)

1st IF ..... 70.950 MHz  
2nd IF ..... 450 kHz  
Audio Output..... 490 mW maximum  
Built-in Speaker..... 32 mm dia, 24 Ohm  
Dynamic Type

## Current Drain

Squelched ..... 60 mA  
Full Output (Light off) ..... 180 mA

## Power Requirements

2 x AA size Rechargeable NiMH Batteries  
(2300 mAh)(Included)

2 x AA size Alkaline Batteries (Not Included)

DC 5.0 V  $\pm$ 5 % from USB jack

**Power Source** ..... 3.0 V DC at Battery Terminal

## Power Consumption at 24 $\Omega$ Int. Speaker

@162.4000 MHz (FM), Manual Mode,

at Squelched mA DC ..... 75..... 100 Max

at full output(Light:Off) mA DC ... 210 ..... 260 Max

at full output(Light:On) mA DC.... 240 ..... 300 Max

# SPECIFICATIONS

---

**Battery Low Turn On Voltage** ..... 2.2 V (2.05 to 2.35)

**Auto Power Off Voltage** ..... 2.0 V (1.85 to 2.15)

**Battery Charge Current** ..... 250 mA (150 to 350)

**Antenna** ..... 50 Ohms (Impedance)

**External Jacks** ..... Antenna Jack BNC Type  
Head Phone Jack/Earphone Jack 3.5  $\phi$  Stereo Type  
DC Power Jack Micro USB Type-B

**Internal Speakers** ..... 24 Ohm, 0.8 W Max. (32  $\phi$ )

**Size** ..... 53 mm (W) x 28 mm (D) x 104 mm (H)  
(without antenna and belt clip)

**Weight** (without Antenna and battery): ..... 100 g

**Accessories** ..... Rubber Antenna (BNC Type)  
Ear Phone (Stereo Type)  
Battery (NiMH 1.2 V 2300 mAh x 2)  
USB cable (charge function only)  
Belt Clip  
Owner's Manual

Features, specifications, and availability of optional accessories are all subject to change without notice.

# SIMPLIFIED EU DECLARATION OF CONFORMITY

---

Hereby, Uniden Holdings Corporation declares that the radio equipment type Uniden EZI33XLT+ is in compliance with the Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:  
[www.avera.eu/downloads](http://www.avera.eu/downloads)



## Manufactured by:

Uniden Japan Corporation  
2-12-7 Hatchobori, Chuo-ku, Tokyo,  
104-8512 JAPAN  
[ues@uniden.co.jp](mailto:ues@uniden.co.jp)  
[www.uniden.co.jp](http://www.uniden.co.jp)

## Imported by:

Avera Distributing  
Hazeldonk 6259  
4836 LG BREDA  
THE NETHERLANDS  
[info@avera.eu](mailto:info@avera.eu)  
[www.avera.eu](http://www.avera.eu)

**Uniden<sup>®</sup>**

**THANK YOU FOR BUYING  
A UNIDEN PRODUCT.**

Uniden.com

© 2020 Uniden Corporation. Printed in Vietnam.  
U01UB387ZZZ(0)