Please read this Operating Guide carefully before operating this radio.

Safety Information

DO NOT operate the transmitter of any radio equipment with the antenna touching, or close to the eyes, face, or exposed body parts.

DO NOT let children operate any transmitter-equipped radio equipment.

Have your radio equipment serviced by a qualified technician.

Nickel-Cadmium Battery Warning

This equipment contains a nickel-cadmium battery.

Cadmium is a chemical known to the State of California to cause cancer.

The nickel-cadmium battery contained in this equipment may explode if disposed of in a fire.

Do not short circuit the battery.

Do not charge the nickel-cadmium battery used in this equipment in any other charger other than the one designed to charge this battery. Using another charger may damage the battery, or cause the battery to explode.

Nickel-Cadmium Battery Disposal

Nickel Cadmium Batteries must be disposed of properly. Read the Nickel-Cadmium Battery Disposal package insert for important information.

President® is a registered trademark of Uniden America Corporation.

Features, Specifications, and availability of Optional Accessories are all subject to change without notice.

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VHF FM MARINE RADIO TELEPHONE CHANNELS AND FUNCTIONS (INTERNATIONAL CHANNELS) .. 12

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Introduction

Congratulations! You've chosen the President LTD95 for your Handheld Marine VHF Radio. The LTD95 has been engineered to exacting marine specifications for reliable, dependable operation. This radio gives you the full complement of all USA and International channels, instant Channel 16 access, all NOAA and International weather channels, rechargeable batteries, and more. The LTD95 features Phase Locked Loop frequency synthesis for precise transmit and receive frequency control and long term stability. This radio has been type accepted and certified by the FCC for marine use.

Important

The Marine Radiotelephone Service is under the jurisdiction of the Federal Communications Commission (FCC). Any adjustments or alterations which would alter the performance of the transceivers original FCC type acceptance or would change the frequency determining method are strictly prohibited.

Replacement or substitution of crystals, transistors, IC’s regulator diodes, or any other part of a unique nature, with parts other than those recommended by us may cause violation of the technical regulation of the FCC rules or violation of type acceptance requirements of the rules.

Before operating the radiotelephone, you must obtain your license. It is illegal to transmit without the appropriate license which can be obtained by submitting a completed FCC Form 506 (included) to the FCC. Furthermore, you are required to understand Part 80 of the FCC Rules and Regulations prior to the operation of your radiotelephone. It is the user’s responsibility to see that this unit is operating at all times in accordance with the FCC Rules and Regulations.

Warning

PRESIDENT does NOT warrant this unit to be waterproof. When using this unit in a marine environment, care must be taken to prevent spray or water from entering the unit, which may damage it.

Feature Highlights

USA and International Channels - Includes a full complement of Marine VHF FM frequencies.

Ten Weather Channels - Get vital weather information in your area.

Scan and Seek Modes - Provide rapid, automatic scanning of all channels.

Dual Watch Mode - Checks for activity on both the current channel and Emergency Channel 16.

Rechargeable Battery Pack - Eliminates the costly expense of frequent battery replacement.

LO/Hi Switch - Lets you transmit at 1 watt or 5 watts for short-range or long-range communication.

Battery Save Mode - Conserves battery energy when there is no activity on the current channel for over 3 seconds.

LCD Backlight - Illuminates the channel display for visibility at night or under dim conditions.

5-Minute Transmit Timer - Limits transmitting activity to 5 minutes at a time, per FCC regulations.

Unpacking

Carefully check the package contents against this list:

- President LTD95 Handheld Marine Radio
- Flexible Antenna
- AC Adapter/Charger (AD-978)
- Nickel-Cadmium Battery Pack (BP95) (installed on radio)
- Belt Clip
- Wrist Strap
- This Operating Guide (read carefully and save)
- Product Registration Form
- FCC License Application Form

If any items are missing or damaged, contact your place of purchase immediately.

Be sure to complete and mail in the Product Registration Form.

Optional Accessories

Speaker-Microphone (SPMG) - A 2-in-1 feature combination for convenient transmitting and receiving.

External Speaker (MC12) - A must for high performance receiver monitoring.

Spare Battery Pack (BP95) - A replacement pack for your rechargeable battery pack.
Controls and Indicators

Main controls

1. PTT (Push-to-Talk) Switch - Press the PTT Switch to transmit. When you are finished talking, release the PTT Switch and listen for a reply.

2. LAMP Switch - Press the button to illuminate the LCD Channel Display.

3. Internal Speaker - Clear and convenient audio output.

4. Electret Microphone - When transmitting, talk into the built-in microphone, holding the radio just a few inches away when speaking.

5. ALL/CH 16 Switch - Set the switch to CH16 to immediately access Channel 16 for calling or use in emergency transmitting. Set the switch to ALL to access all VHF channels, including weather.

6. LO/HI Switch - This switch controls the transmit power. Set the switch to LO for short-range, 1-watt transmission. Set the switch to HI for maximum range, 5-watt transmission.

7. INTL/USA Switch - Set this switch to operate on either USA or International channels. (See the frequency table for more information.)

Top Controls and Indicators

8. SP (Speaker) Jack - Use to plug in an external speaker (optional accessory).

9. MIC (Microphone) Jack - Use to plug in an external microphone (optional accessory).

Note: You can also plug an optional speaker/microphone into these jacks. The plug is a two-prong plug that fits only one way.

10. ANT (Antenna) Connector - Attach the flexible antenna to this BNC connector. Warning: Do not use any other antenna other than the one supplied. This can permanently damage the radio.

11. TX Indicator - This red LED lights when you press the PTT Switch and transmit. (Note: If the battery power is low and needs recharging, the LED will not light.)

12. LCD Channel Display - The liquid crystal display (LCD) shows the current channel and the operating mode indicators.

13. SQ (Squelch) Control - (outer knob) Use to eliminate background noise (the "rushing" sound) heard between transmissions.

14. On-Off/VOL (Volume) Control - (inner knob) Use to turn the radio on or off, and to adjust the volume level.

15. Channel Selector - Rotate this knob to select any of the USA or International Marine VHF FM frequencies, including NOAA and International Weather Channels.

16. DUAL Key - Press this key to monitor activity on both the selected channel and Emergency Channel 16. DUAL WATCH Mode switches the LCD display between CH16 and the other channel every two seconds as it checks for a broadcast signal on these channels. If a transmission is received on Channel 16, it takes priority over any broadcast on the current channel.

17. SCAN Key - Press this key to set the radio in SEEK Mode, or press and hold this key for two seconds to set the radio in SCAN Mode. In either mode, the radio scans all marine (or all weather) channels for activity. In SEEK Mode, if frequency activity is found on a channel, the Busy Channel is monitored for only four seconds before the radio continues to search other channels. In SCAN Mode, if frequency activity is found on a channel, the busy channel is monitored as long as the signal is present. When the signal is no longer present, the radio continues to search the other channels for activity. (Note: Channel 16 is excluded from the search unless DUAL WATCH Mode is also activated during SEEK or SCAN Mode.)
Channel Display

18. **Channel Number** - All standard communication channels appear in digital format (01 through 88). Weather channels are displayed with a hyphen preceding the number (-0 through -9).

19. **HI** - Indicates High Power Mode (See LO/HI Switch description.)

20. **DU** - Indicates Dual Watch Mode (See DUAL Key description.)

21. **IL** - Indicates International Channel Mode (See INTL/USA Switch description.)

---

**Operation**

1. Place the LO/HI switch into the desired position. (LO to conserve the batteries, or HI when maximum range is required).

2. Set the selector to the desired channel. (Note: if operation is desired on a channel other than 16, make sure that the ALL/CH16 switch is in the ALL position.) Also make sure that the INTL/USA switch is set to the appropriate position.

3. Turn the radio on, and adjust the volume to a comfortable listening level.

   **Note:** The LTD95 always starts with Channel 16. If the Squelch is set to high, or if there is no activity on Channel 16, you may not get any sound at first.

4. Turn the squelch control clockwise until the background noise just disappears. This is the proper squelch setting and the control should not be rotated beyond this point, or receiver sensitivity will be degraded.

5. To operate on a channel other than Channel 16, use the Channel Selector to select another channel. The channel numbers appear in the LCD Channel Display.

6. When a station is heard, adjust the volume control to the desired listening level.

7. To transmit, press the PTT (press to talk) switch and hold in while you speak slowly and distinctly into the built-in microphone.

   While you are transmitting, the TX indicator will light. If the indicator does not light, your battery pack may be low.

8. When you have finished transmitting, release the PTT switch so you can hear the reply.

   **Note:** The LTD95 has a 5 minute transmit timer. If you transmit continuously for 5 minutes, the transmitter will automatically cut off. You will need to release the PTT switch before you can transmit again.

---

**Dual Watch Mode**

In DUAL WATCH Mode, you can listen to one channel (current channel) while the radio periodically checks Channel 16 for activity. If a transmission is received on Channel 16, it takes priority over any communication you hear on the current channel. When the Channel 16 transmission stops, the LTD95 will continue monitoring the current channel and Channel 16.

If you press the PTT Switch to transmit on the current channel, DUAL WATCH Mode is disabled and you will remain on the selected channel. If you press the PTT Switch while the radio is monitoring Channel 16 (example: to reply to the emergency communication,) the radio will remain on Channel 16.

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**Getting Started**

**Charging the Battery Pack**

Before using the LTD95 for the first time, or whenever the battery pack is low, fully charge the battery pack. Charging the battery pack on your LTD95 is easy – just plug the AD-978 adapter into any 120V AC 60 Hz outlet, and plug the other end into the charging jack on the rear of the battery pack. The CHARGE indicator will light to show that charging power is being applied to the battery pack. (Note: You can charge the battery pack on or off the radio.)

If the battery power is very low, it will take approximately 10 hours to fully charge it.

**Note:** You may operate the receiver or transmitter while the battery pack is being charged on the radio, but this will increase the time it takes to charge the battery pack. If the battery power is very low, the transmitter may not operate at all, since the AD-978 adapter will not provide sufficient current to charge the battery pack and operate the transmitter at the same time.

**Warning**

Using an AC Adapter/Charger other than the one specified may cause permanent damage to the unit.

**Connecting the Antenna**

Connect the flexible antenna by plugging the BNC connector of the antenna into the antenna connector on the top of the unit, and turn clockwise to tighten.
To start DUAL WATCH Mode:

1. Set the ALL/CH16 Switch to ALL. (Note: DUAL WATCH Mode will not function when this switch is set to CH16.)

2. Turn the radio on and select any channel (normal VHF or weather) other than Channel 16.

3. Press DUAL to activate DUAL WATCH. A beep sounds, and you will see Channel 16 and the selected channel alternately displayed as they are being monitored for activity. The DU indicator appears on the LCD display.

   Note: While in DUAL WATCH Mode you can select any channel to listen to and still remain in this mode. Turn the Channel Selector to the desired channel, and the radio will monitor the new channel along with Channel 16.

To end DUAL WATCH Mode:

Press DUAL.

or ...

Press the PTT Switch.

Searching for Active Channels

You can search for channel activity in either of two Modes:

- SEEK Mode
- SCAN Mode

SEEK Mode

When set in SEEK Mode, the LTD95 automatically searches the entire range of standard VHF channels or all 10 Weather channels for an active frequency. When one is found, the radio will remain on that channel for only four seconds, and then continue scanning until you exit SEEK Mode. This feature is useful for brief sampling of channels without remaining on one that transmits continuous noise or broadcasts continuously.

To start SEEK Mode:

1. Set the ALL/CH16 Switch to ALL. (Note: SEEK does not operate when the switch is set to CH16.)

2. Select a weather channel or a standard VHF channel other than Channel 16. The channel you select will determine the group of channels to be scanned (that is, standard or weather channels). The channel you begin scanning from is the "home" channel.

3. Press SCAN to activate the SEEK Mode.

You will hear a beep, and the radio automatically goes into DUAL/SEEK Mode (DU appears on the display.) The channels are displayed as they are being scanned.

The radio checks for activity between CH16 and the channels being scanned. When a signal is found, the radio will stop to monitor that channel for four seconds. Then the radio will continue to search the other channels.

To eliminate DUAL Mode, press DUAL. (A beep sounds, and DU disappears from the display.) Now, all channels except Channel 16 will be scanned.

To end SEEK Mode press SCAN. Scanning will stop and the radio will return to the "home" channel.

You can also cancel SEEK Mode by:

   a. Turning the Channel Selector knob to select any channel. or ...

   b. Press the PTT Switch. The radio will stop scanning and return to the "home" channel, but will not transmit until you release the PTT Switch and press it again.

SCAN Mode

Like SEEK Mode, the LTD95 searches for an active channel. However, in SCAN Mode, an active channel is monitored as long as there is a signal present. When the signal stops, scanning continues for other active channels after a brief delay.

To start SCAN Mode:

1. Set the ALL/CH16 Switch to ALL. (Note: SCAN does not operate when the switch is set to CH16.)

2. Select a weather channel or a standard VHF channel other than Channel 16. The channel you select will determine the group of channels to be scanned (that is, standard or weather channels). The channel you begin scanning from is the "home" channel.

3. Press and hold SCAN for two seconds to activate the SCAN Mode.

You will hear a long beep, and the radio automatically goes into DUAL/SCAN Mode (DU appears on the display.) The channels are displayed as they are being scanned. To eliminate DUAL Mode, press DUAL. (A beep sounds, and DU disappears from the display.) Now, all channels except Channel 16 will be scanned.

To cancel SCAN Mode, press SCAN. Scanning will stop and the radio will return to the "home" channel.

You can also cancel SCAN Mode by:

   a. Turning the Channel Selector knob to select any channel. or ...

   b. Press the PTT Switch. The radio will stop scanning and return to the "home" channel, but will not transmit until you release the PTT Switch and press it again.

Note: Whenever you cancel SCAN Mode, you need to press and hold SCAN for two seconds to reenter SCAN Mode. Just pressing SCAN will put you in SEEK Mode.
Care and Maintenance

The LTD95 is designed to give you years of trouble-free service. There are no user-serviceable parts inside, and except for occasionally replacing the rechargeable battery pack, no maintenance is required.

Note: Do not expose the unit to moisture. Rain, dew, or other liquids may damage the internal components.

Replacing the Rechargeable Battery Pack

When it is time to install a new battery pack, use only the same type (nickel-cadmium) that came with your LTD95. Any other type of battery pack may damage your unit.

To replace the battery pack:

1. Remove the battery pack from the radio by sliding it off in the direction shown.
2. Align the grooves on the new battery pack with the tracks on the bottom of the radio, and slide into place.

Note: Be sure to recharge the battery pack before using.

Operation for maximum range

To increase the transmission and reception range, the following has been found to be effective:

1. Orient the antenna vertically.
2. Rotate the squelch control counterclockwise allowing some background noise to be heard.
3. Move the unit away from shielding caused by nearby structures.
4. Elevate the unit as high as possible over the surrounding structures.
5. Speak slowly and distinctly into the microphone.
6. Be sure the unit has a fully charged battery pack.

Service

If your radio does not work properly, please call the President Customer Service Center at 1-317-842-2483, 8:00 A.M. to 5:00 P.M. EST, Monday through Friday. If service is necessary, contact your local President dealer or return the product in its original carton. If you are shipping the item, enclose a description of the problem along with a copy of the original purchase receipt. Send the product to the address listed in the Warranty (at the end of this manual).
### VHF FM Marine Radiotelephone Channels and Functions (International Channels)

<table>
<thead>
<tr>
<th>Channel</th>
<th>Frequency (MHz)</th>
<th>Type of Traffic</th>
<th>Ship-to-Ship</th>
<th>Ship-to-Shore</th>
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<td>WX1</td>
<td>162.550</td>
<td>NOAA Weather</td>
<td>RX Only</td>
<td></td>
</tr>
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<td>WX2</td>
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### Specifications

#### General
- **Channels:** Transmit: 55 INTL/USA, Receive: 90 INTL/USA, 10 Weather
- **Frequency Control:** Phase Locked Loop (PLL)
- **Frequency Tolerance:** TX: 0.001%, RX: 0.001%
- **Operating Temperature:** -20°C to +50°C
- **Dimensions:** 177 mm H x 46.4 mm D x 65 mm W
- **Weight:** 500 g
- **Power Source:** 7.2V, Battery 600 mAH
- **Microphone:** Built-in Electret type
- **Speaker:** 16 Ω 0.4 W
- **Channel Display:** Liquid Crystal Display (LCD)

#### Transmitter
- **Frequency Range:** 156.025 ~ 157.425 MHz
- **Frequency Stability:** 300 Hz nominal
- **Power Output:** High: 5 Watts, Low: 1 Watt
- **Spurious Emissions:** 5W: -60 dB, 1W: -50 dB
- **Microphone Sensitivity:** ±3 KHz
- **Current Drain:** HIGH: 1.6 A, LOW: 0.7 A