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Provided that the product was purchased from Shine Flex itself or through its authorized reseller or agent and utilized in the U.S.A., Shine Flex will, without charge, repair or replace, at its option, defective products, products or component parts upon delivery to the authorized Shine Flex Authorized Service Center, accompanied by proof of the date of first customer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges, to an address in the U.S.A., will be at Shine Flex's expense, if the product is under warranty.

For Products Purchased Outside the U.S.A.

Please contact your authorized local reseller or agent for warranty information.

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Product Manufactured by:

Shine Flex US LLC, Illinois, USA.

For product, service or warranty information and manuals in other languages contact us at:

www.shineflexglobal.com (855) 224-5127

For other information, visit:

www.bushnell.com

Bushnell®



Instruction Manual

TWO-WAY RADIO MODEL

LPX150

Part No. UM-LPX150E020211
V1
English

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.

 **DANGER:** Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

 (Used without word) Indicates a safety related message.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

Important Safety Instructions

 **WARNING:** To reduce risk of injury:

Before any use, be sure everyone using this unit reads and understands all safety instructions and other information contained in this manual.

Save these instructions and review frequently.

1. Only accessories included in this package or specified by the manufacturer should be used with the radio. The 5V USB-C charging input is compatible with USB chargers that fully conform to the USB standards.
2. Do not use cleaners or solvents to clean the exterior of the radio. Use only a damp or dry cloth.
3. Do not expose this product to splashing or dripping water.
4. Do not attempt to service the receiver yourself. Removing the cover will void the warranty. Changes or modifications not expressly approved by BUSHNELL may void the user's authority granted by the FCC to operate this device and should not be made.
5. Do not plug the wall adaptor into the power outlet if the outlet is wet.
6. Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Important Safety Instructions for Battery

 **WARNING:** Read all safety warnings and all instructions:

Failure to follow the warnings and instructions may result in fire and/or serious injury

- Do not incinerate the battery even if it is severely damaged or is completely worn out.
- Do not discard battery in a fire. The battery pack can explode in a fire.
- Do not replace battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause an explosion or fire.
- Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.
- Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- A small leakage of liquid from the battery cells may occur under extreme usage or temperature conditions. This does not indicate a failure. Do not open, deform or mutilate the battery as there may be corrosive materials which can cause damage to eyes or skin and may be toxic if swallowed.

However, if the outer seal is broken and this leakage gets on your skin:

- a. Wash quickly with soap and water.
- b. Neutralize with a mild acid such as lemon juice or vinegar.
- c. If battery liquid gets into your eyes, flush them with clean water for a minimum of 10 minutes and seek immediate medical attention.

This product uses Ni-MH batteries. Do not transport package if damaged, a fire hazard could exist.

For more information, please call our customer support line at (855) 224-5127, or email us at cs@shineflexglobal.com.

Recycle Battery

Local, state or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.



Customer Assistance - Product Service & Support

For any questions about operating this new BUSHNELL branded product, PLEASE CONTACT US FIRST... do not return this product to the retail store. The contact information for support will vary depending on the country in which you purchased and utilize the product.

To obtain warranty service or other information for products purchased from Shine Flex itself or through its authorized reseller or agent and utilized in the U.S.A., please email us at cs@shineflexglobal.com. You will receive instructions on how to ship the products at your expense to an our Authorized Service Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; and, most importantly; (c) your address and telephone number.

For further information needed on its features, please visit www.shineflexglobal.com for frequently asked questions and the electronic manual.

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CAUTION:

Exposure to high volume sound levels may cause temporary or permanent damage to your hearing. Although there is no single volume setting that is appropriate for everyone, you should always use your radio with the volume set at low level and avoid prolonged exposure to high volume sound levels.

1. Set the volume control in a low position and use as low a volume as possible.
2. Avoid turning up the volume to block out noisy surroundings. Whenever possible, use your radio in a quiet environment with low background noise.
3. Limit the amount of time you use headsets or earpiece at high volume levels.
4. When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
5. Observe all signs and instructions that require an electrical device or RF radio product to be switched off in designated areas, such as gas/refueling stations, hospitals, blasting areas, potentially explosive atmospheres, or aircraft.

6. If you experience a skin irritation after using this product, discontinue use and seek medical attention.
7. If the product or charger: overheats; has a damaged cord or plug; has been dropped or damaged; has been dropped into water, disconnect any charger from its power supply, discontinue use of the product.

Electromagnetic Interference

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. Turn off your radio in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

- When instructed to do so, turn off your radios when on board an aircraft. Any use of a RF device must be in accordance with applicable laws, regulations and airline crew instructions.
- Some radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.
- If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your doctor or physician may be able to assist you in obtaining this information.



Introduction - Getting Started

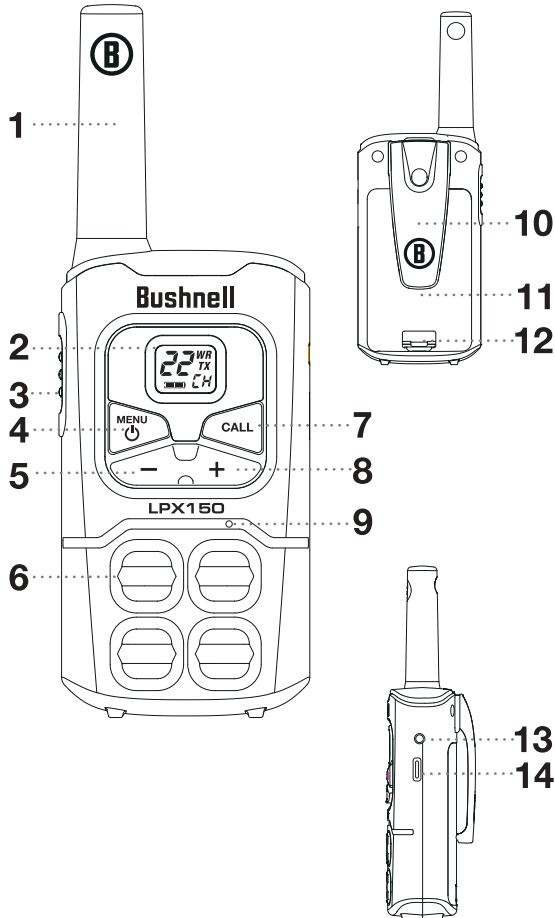
Your radio will give you years of trouble-free service if cared for properly. Handle the radio gently. Keep the radio away from dust. Never put the radio in water or in a damp place. Avoid exposure to extreme temperatures.

Pack Contents

- Handheld Radios
- Rechargeable Batteries
- USB-C Charging Cable
- Belt Clips

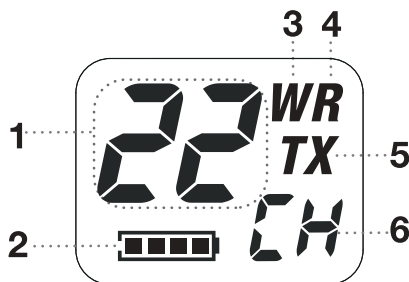
NOTE: *Standard accessories may vary by model.*

Product Overview



1. Antenna
2. LCD Display
3. **PUSH-TO-TALK (PTT) Button**
 - Press and hold to transmit your voice
4. **Power/Menu Button**
 - Press to display the menu
 - Press and hold to turn the unit On or Off
5. **- Button**
 - Press to decrease volume
 - While in mode function, press to change channels
6. Speaker
7. **Call Button**
 - Press to send Ringtone to other radios
8. **+ Button**
 - Press to increase volume
 - While in mode function, press to change channels
9. MIC (Microphone)
10. Belt Clip
11. Battery Compartment Cover
12. Battery Door Latch
13. Microphone/Earphone Jack
14. Charge Jack

LCD Display



- | | |
|----------------------------|-------------------------------|
| 1. Channel Numbers | 4. Receive Icon |
| 2. Battery Level Indicator | 5. Transmit Icon |
| 3. Weather Icon | 6. Channel / Volume Indicator |

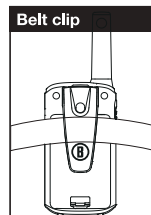
Product Features

- 22 Channels
- Charge Jack
- Battery/Power Saver
- Battery level Indicator
- Low Battery Audible Alert
- Auto Squelch
- Belt Clip
- 10 Channel Weather Radio
- LCD Display
- Call Alert
- Speaker/Microphone
- Roger Beep
- Keystroke Tones

Making Life Easier and Safer

Staying in touch is convenient and easy when using your radio. Some of the many uses you will discover include:

Communicating with others while hiking, biking, and working; keeping track of family and friends at a crowded public event; checking with travel companions; connecting with neighbors; arranging meeting spots with others while shopping at the mall, talking with your colleagues in store or warehouse.



Secure your radio while on the go.

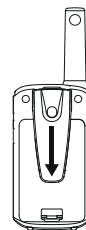
Carrying your radio with you is easy when using the belt clip.

The belt clip easily attaches to your belt, purse, or backpack.

Installing the Belt Clip

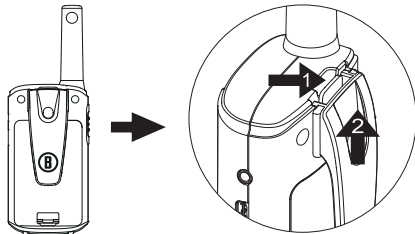
Slide the Belt clip into the slot.

A “click” indicates the Belt clip is locked into position.



Removing the Belt Clip

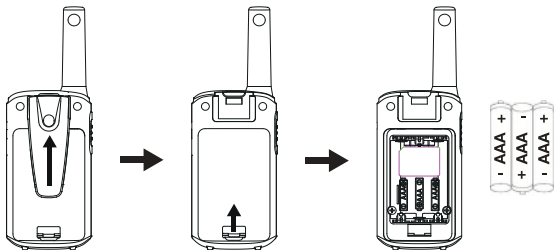
Pull the Belt Clip latch forward (away from the unit). While pulling the Belt Clip latch, push up the Belt Clip.



Installing Batteries

⚠ Caution: Observe the proper battery polarity orientation when installing batteries. Incorrect positioning can damage both the batteries and the unit.

1. Remove the belt clip. Pull up on the battery door latch to remove battery compartment cover.
2. Install the rechargeable batteries (supplied) by following the orientation.
3. Install the battery Compartment Cover and belt clip.



NOTE:

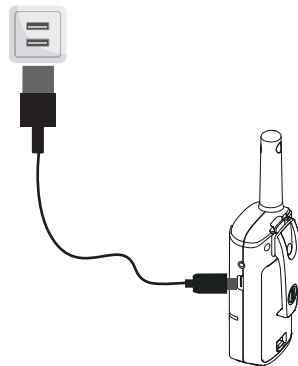
- You can use Alkaline batteries if required, however YOU MUST NOT CHARGE THE RADIOS WITH ALKALINE BATTERIES INSERTED as this will damage the radio.
- NEVER mix old and new batteries.
- Do Not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc.) batteries.
- Remove the batteries from the instrument if it is not required for extended periods of time in order to avoid damage to the radio resulting from a leaking battery.



Operation - Charge

To charge batteries in radio

1. Check to see that the batteries have been inserted properly.
2. Insert the USB-C Cable into the charge jack located on the right of the radio.
3. Plug the cable into USB-compatible power port.



NOTE:

- Use only the supplied rechargeable batteries for recharging your Bushnell radio.
- Bushnell recommends your radio is turned off while being charged.
- The batteries can take more than 12-14 hours to fully charge.
- Always use the supplied charging cable for optimal charging performance.



Operation - Using Your Radio

Microphone/Earphone/Charge Jack

Your radio is equipped with an auxilliary microphone, earphone and charge jack located on the right of the radio.

Turning the Unit ON/OFF

To Turn ON: Press & hold **Power** button for 2 seconds until the LCD screen turns ON and displays the current channel.

To switch OFF: Press and hold **Power** button for 2 seconds until the LCD screen turns blank.

Battery Low

Battery Low



When battery power is low, the Battery Low icon will blink and an audible tone will sound twice before the radio shuts off. Your batteries need to be recharged. The radio will display flashing battery icon while charging if the radio is on.

Communicating with Another Person



1. Press and hold the **Talk** button.
2. With the microphone about 2 inches (5 cm) from your mouth, speak in a normal voice.
3. Release the **Talk** button when you are finished talking and listen for a response.



NOTE:

- You cannot receive incoming calls while pressing the **Talk** button.
- Both radios must be tuned to the same channel to communicate.

Listening for a Response

Release the **Talk** button to receive incoming transmissions. Your radio is always in **Standby** mode while the **Talk** or **Call** button is not pressed.

To Adjust Volume



In **Standby** mode, press the **+** or **-** button. A triple beep sound is used to indicate the minimum or maximum volume levels (1 through 8).

NOTE:

- Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.
- Keeps your headphone audio at a comfortable level to avoid damage your ear.

Call Button

Press and release the **Call** button to alert others that you are calling. The other person will hear a 3 seconds call tone. This tone is used only to establish voice communications.

Auto Squelch

Your radio will automatically shut off weak transmissions and unwanted noise due to terrain, conditions or if you've reached your Maximum Range limit.

Transmitting range

The talk range depends on the environment and terrain. In general the radio can reach further in wide open spaces, without obstructions such as hills or buildings. It will be affected by concrete structures, heavy foliage and by operating radios indoors or in vehicles. Don't try to use two radio units which are less than 5 m (16 feet) apart. Otherwise, you may experience interference.



Optimal Range
Outdoors Flat,
open areas



Medium Range
Outdoors Buildings or
trees. Also near
residential buildings



Minimal Range Outdoors
Dense foliage or
mountains. Also inside
some buildings

⚠ IMPORTANT SAFETY WARNING:

To reduce radio frequency exposure when you are using your hand-held, hold the unit at least 25 mm away from your face.

Scrolling Through the Menu Function

By scrolling through the Menu function, you will be able to select or turn on preferred features of your radio. When scrolling through the Menu function, your radio features will be displaced in the same predetermined order:



- **Channel Selection**
- **Set Weather Channel**

Channel Selection

The radio has 22 channels, which are compatible with other brands of Two-Way radios.



1. Briefly press and release **Menu** button, the channel number flashes.
2. Press **+** or **-** button to select a channel. (You can hold the **+** or **-** button for fast advance)
3. When the desired channel is displayed, choose one of the following.
 - a. Press the **Menu** button to enter the new setting and proceed to other functions.
 - b. Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.

NOTE:

- Both radios must be tuned to the same channel to communicate.
- See page 13 for frequency allocation charts.

NOAA All Hazards Radio Channels

You can use your radio to listen to NOAA All Hazards Radio channels transmitting in your area.

To listen to All Hazards Radio channels:

1. Press the **Menu** button until the **Weather** icon displayed.
 2. Use the + or - button to change All Hazards Radio channels.
3. To exit All Hazards Radio, press the **Menu**, **Talk** or **Call** button to return to **Standby** mode.



The NOAA NWR Frequency Table

Channel No.	NWR Frequency	Channel No.	NWR Frequency
1	162.5500	6	162.5000
2	162.4000	7	162.5250
3	162.4750	8	161.6500
4	162.4250	9	161.7750
5	162.4500	10	163.2750

Factory Reset

If the radio's display locks up or stops functioning properly, you might need to reset your radio.

⚠ Caution: This procedure clears all the information you have stored in your radio.

Before you reset your radio, try turning it off and on again. If your radio is still not functioning correctly you may need to reset the radio. To reset, press and hold + button and **power on** button. The radio will reset to Channel 1.



Operation - General Specifications

Frequency Allocation and Compatibility

A = Channel No. for 22 Channel Models

B = Frequency in MHz

A	B	A	B
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250



Helpful Tip - Accessories

Recommended accessories for use with your radios are available from your local dealer or authorized service center.

If you need assistance regarding accessories, please visit www.shineflexglobal.com

IMPORTANT NOTICE:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Warnings: Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Bushnell may cause a violation of the technical regulations of part 95 of the FCC rules, or violation of type acceptance requirements of part 2 of the rules.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

⚠ Safety Information for Radios

Your wireless handheld portable transceiver contains a low power transmitter. When the talk button is pushed, it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless devices

Important

FCC RF Exposure Requirements: For body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Bushnell accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Use only the supplied antenna. Unauthorized antennas, modifications or attachments could damage the transmitter and may violate FCC regulations.

Normal Position

Hold the transmitter approximately (25mm) from your face and speak in a normal voice, with the antenna pointed up and away.

ISED/C Warning

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

ISED/C Radiation Exposure Statement

For bodyworn operation, this model device has been tested and meets the ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions of the face up minimum distance is 25 mm.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Your wireless handheld portable transceiver contains a low power transmitter. When the talk button is pushed, it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%.



Warranty & Trademark Acknowledgment

Limited Lifetime Warranty on Radio

Shine Flex warrants to the original consumer purchaser only that this product and the component parts thereof, will be free from defects in workmanship and materials. During this period, Shine Flex will, repair or replace, at its sole option and discretion, this product or any defective parts. Shine Flex's liability hereunder shall be limited to repair or replacement of the defective part or parts, and such correction shall constitute a fulfillment of all of Shine Flex's warranties hereunder.

This limited warranty does not apply to accessories and consumables and is only valid for the original consumer purchaser in limited jurisdictions and is not transferrable. This limited warranty will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party. The product must be purchased from Shine Flex or an authorized dealer or the warranty is void. This limited warranty is valid only for products purchased and utilized in specific jurisdictions. Please visit our website at www.shineflexglobal.com for a list of jurisdictions wherein this limited warranty is valid.

This limited warranty does not cover damage due to misuse, abuse, negligence, acts of God, accident, commercial use or modification of, or to any part of this product. This warranty does not cover damage due to improper operation, maintenance or installation; ordinary wear and tear; or attempted alterations or repairs by anyone other than Shine Flex or someone authorized by Shine Flex to do warranty work. Any unauthorized alterations or repairs will void this warranty. This limited warranty does not cover product sold AS IS or WITH ALL FAULTS. This limited warranty is invalid if the factory applied serial number or date stamp has been altered, defaced or removed from this product. This limited warranty does not cover product purchased or utilized in a jurisdiction not covered.

The procedure for obtaining service and support, and the applicability of this warranty, will vary depending on the country or jurisdiction in which you purchase and utilize the product. For details on obtaining product service, support and other warranty information please visit www.shineflexglobal.com.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, SHINE FLEX MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SHINE FLEX EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THIS EXPRESSED WARRANTY.