

NSKI UV-5RE Plus

NSKI UV-5RE Plus Dual Band Two-Way Radio Instruction Manual

Model: UV-5RE Plus

INTRODUCTION

Thank you for choosing the NSKI UV-5RE Plus Dual Band Two-Way Radio. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device. Please read this manual thoroughly before using the radio to ensure safe and optimal performance.

IMPORTANT SAFETY INFORMATION

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not charge the battery in wet environments.
- Use only NSKI approved batteries and chargers. Unauthorized accessories may cause damage or injury.
- Do not disassemble or modify the radio. Repairs should only be performed by qualified technicians.
- Keep the radio away from strong magnetic fields and direct sunlight.
- Avoid prolonged exposure to high volume levels when using headphones to prevent hearing damage.

PACKAGE CONTENTS

Please check the package for the following items:

- 1 x NSKI UV-5RE Plus Walkie Talkie
- 1 x 7.4V 1800mAh Li-ion Battery Pack
- 1 x Dual Band SMA-Female Long Antenna

- 1 x Belt Clip
- 1 x Desktop Charger
- 1 x User Manual (English)



Image: The NSKI UV-5RE Plus radio placed in its desktop charger, alongside its retail packaging box. This illustrates the main components included in the package.

PRODUCT OVERVIEW

Familiarize yourself with the various parts of your NSKI UV-5RE Plus radio.



Image: Front view of the NSKI UV-5RE Plus radio, showing the display, keypad, and main function buttons. The display shows "122.750" and "152.650" frequencies.

Key Components:

- **Antenna:** For transmitting and receiving signals.
- **Power/Volume Knob:** Rotates to turn the radio on/off and adjust volume.
- **LCD Display:** Shows frequency, channel, battery status, and other indicators.
- **PTT (Push-To-Talk) Button:** Press and hold to transmit, release to receive.
- **CALL Button:** Activates alarm function or FM radio.
- **VFO/MR Button:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
- **A/B Button:** Switches between upper and lower frequency displays.

- **BAND Button:** Switches between VHF and UHF bands.
- **Keypad:** For entering frequencies, channel numbers, and accessing menu functions.
- **MENU Button:** Enters the menu system.
- **EXIT Button:** Exits menu or cancels current operation.
- **Speaker/Microphone Jack:** For connecting external audio accessories.
- **Battery Pack:** Provides power to the radio.



Image: Close-up of the top of the NSKI UV-5RE Plus radio, showing the gold-colored SMA-Female antenna connector. This highlights the point of antenna attachment.

SETUP

1. Battery Installation and Charging

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To remove, press the battery release latch (usually at the bottom of the battery) and slide the battery downwards.



Image: The NSKI UV-5RE Plus radio with its battery pack detached, showing the battery contacts on both the radio and the battery. This illustrates how the battery connects to the radio.

Charging the Battery:

1. Insert the AC adapter into the desktop charger.
2. Place the radio (with battery installed) or the battery pack alone into the charging slot.
3. The charger indicator light will typically show red during charging and green when fully charged.
4. Initial charging may take 4-5 hours.



Image: The NSKI UV-5RE Plus radio seated in its desktop charging cradle, indicating the charging process. This shows the radio being charged.

2. Antenna Installation

1. Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.



Image: Close-up of the top of the NSKI UV-5RE Plus radio, showing the gold-colored SMA-Female antenna connector. This highlights the point of antenna attachment.

3. Belt Clip Installation

1. Align the belt clip with the screw holes on the back of the radio (above the battery).
2. Secure the belt clip using the provided screws.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

- To power on, rotate the Power/Volume knob clockwise.
- To power off, rotate the Power/Volume knob counter-clockwise until it clicks.
- Adjust the volume by rotating the knob after the radio is powered on.

2. Transmit and Receive (PTT)

- To transmit, press and hold the **PTT** button on the left side of the radio. Speak clearly into the microphone.
- Release the **PTT** button to return to receive mode.

3. Mode Selection (VFO/MR)

- Press the **VFO/MR** button to switch between:
 - **Frequency Mode (VFO)**: Allows direct frequency input and scanning.
 - **Channel Mode (MR)**: Allows selection of pre-programmed memory channels.

4. Frequency/Channel Selection

- In VFO mode, use the keypad to directly enter the desired frequency.
- In MR mode, use the UP/DOWN arrow keys or the keypad to select a memory channel (1-128).
- Press the **A/B** button to switch between the upper and lower frequency displays, allowing you to monitor two frequencies simultaneously.
- Press the **BAND** button to switch between VHF (136-174MHz) and UHF (400-520MHz) bands.

5. Menu Functions

Press the **MENU** button to access the radio's settings. Use the UP/DOWN arrow keys to navigate and **MENU** again to confirm. Press **EXIT** to leave the menu.

- **STEP (Menu 1)**: Selects the frequency step (2.5/5/6.25/10/12.5/25kHz).
- **TXP (Menu 2)**: Adjusts transmit power (High/Low).
- **SAVE (Menu 3)**: Activates battery saving function.
- **SCAN (Menu 4)**: Initiates frequency or channel scanning.
- **VOX (Menu 5)**: Activates Voice Operated Transmission. Adjust sensitivity (0-10).
- **WN (Menu 6)**: Selects Wide or Narrowband transmission.
- **ABR (Menu 7)**: Sets display illumination duration.
- **SQL (Menu 0)**: Adjusts squelch level (0-9). Higher numbers require stronger signals.
- **TDR (Menu 7)**: Activates Dual Watch/Dual Reception.
- **BEEP (Menu 8)**: Toggles keypad beep sound.
- **TOT (Menu 9)**: Sets the Time-Out Timer for transmission.
- **OFFSET (Menu 26)**: Sets frequency offset for repeater access.
- **CTCSS/DCS (Menu 11-13, 14-16)**: Sets privacy codes for transmit and receive.
- **BCLO (Menu 27)**: Busy Channel Lock-Out prevents transmission on an occupied channel.

6. FM Radio (65-108MHz)

- Press the **CALL** button briefly to activate the commercial FM radio receiver.
- Use the UP/DOWN arrow keys to tune to desired FM stations.
- Press **CALL** again to exit FM radio mode.

7. Built-in LED Flashlight

- Press the button above the PTT button (often labeled "LAMP" or similar, or simply the top side button) to turn the LED flashlight on/off.

8. PC Programming

The radio can be programmed via a computer using specific software and a programming cable (sold separately). This allows for advanced customization of channels, frequencies, and other settings.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or solvents.
- **Storage:** Store the radio in a cool, dry place when not in use. Remove the battery if storing for extended periods.
- **Battery Care:** Avoid fully discharging the Li-ion battery. Recharge regularly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel, squelch too high, antenna not connected.	Verify frequency/channel, adjust squelch (SQL), ensure antenna is securely attached.
Poor audio quality.	Low battery, antenna issue, interference.	Charge battery, check antenna connection, move away from sources of interference.
Keypad is unresponsive.	Keypad lock is active.	Press and hold the '#' key to unlock the keypad.

SPECIFICATIONS

Feature	Detail
Model	UV-5RE Plus
Brand	NSKI
Frequency Range	VHF 136-174MHz, UHF 400-520MHz, FM 65-108MHz (Receive Only)
Number of Channels	128
Battery	7.4V 1800mAh Li-ion
Power Output	4W/1W (High/Low selectable)
Frequency Step	2.5/5/6.25/10/12.5/25kHz
CTCSS/DCS Codes	105 DCS, 50 CTCSS
Special Features	VOX, Alarm Function, Dual Watch/Reception, LED Flashlight, PC Programmable, Battery Save, TOT, BCLO
Water Resistance Level	Waterproof (Note: This typically implies splash resistance, not submersion)
UPC	758358683108

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact NSKI customer service through their official channels. Keep your purchase receipt as

proof of purchase.