

OWNER'S MANUAL
MODEL : NFR-200
TWO WAY FAMILY RADIO



NAMSUNG CORPORATION
FCC ID: ONLNFR-200
EXHIBIT #: //

BEFORE OPERATING YOUR NFR-200 (FAMILY RADIO)
READ THIS MANUAL CAREFULLY.

FCC WARNING

Replacement or substitution of transistors, diodes or other parts of a unique nature, with parts other than those recommended by manufacturer, may cause violation of the technical regulations of Part 95 of FCC Rules, or violation of type acceptance requirements of Part 2 of the rules.

■ FEATURES

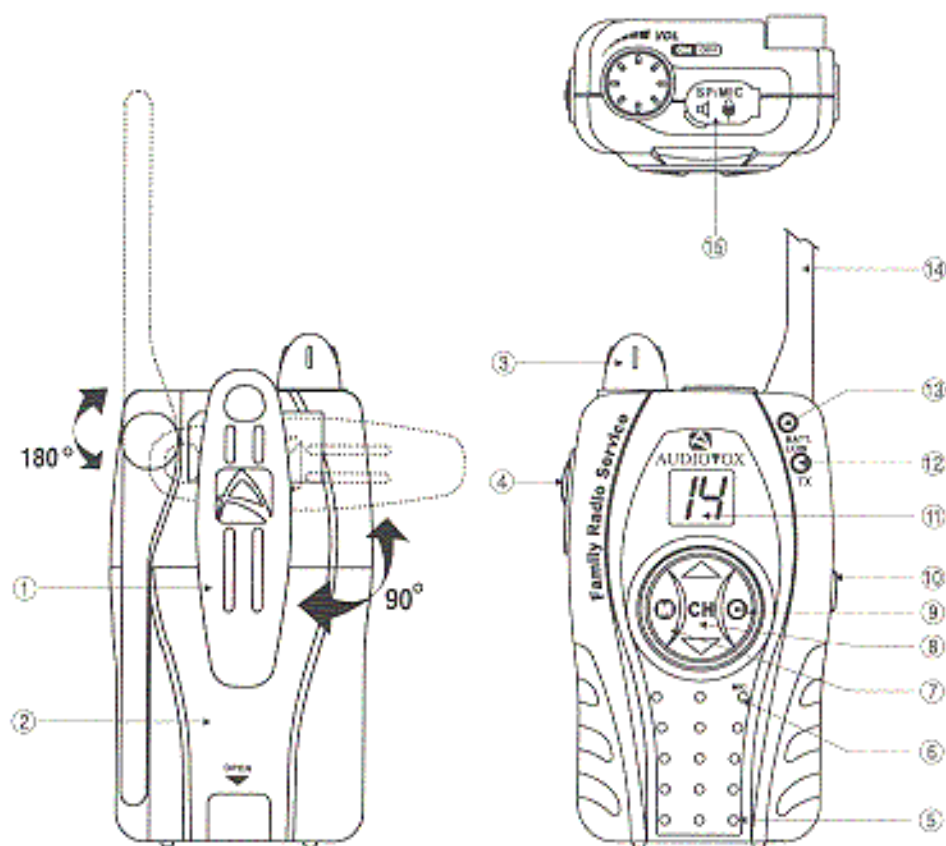
Your NFR-200 Family Radio is a portable, easy-to-use, two-way radio that you can carry almost anywhere. It is skillfully constructed to give you reliable communication for many different applications. The NFR-200 is ideal for use around the house, in your car or boat, on hunting and camping trip, on the ski slope, at the mall or at your business for security patrols or warehouse communications.

Advanced PLL circuitry achieves a new technique for generating all the required frequencies with fewer crystals. The result is much tighter frequency control and superior reliability.

■ PERFORMANCE

Your transceiver will achieve its maximum operating range when communicating with another transceiver in a flat open area with no trees or buildings obstructing its signal. Range may be up to two miles under such conditions. Obstacles, such as building, trees, or mountains will tend to reduce the transceiver's effective range.

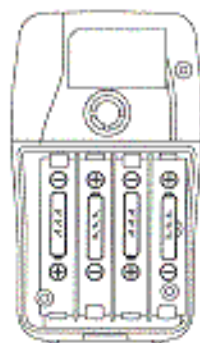
■ FUNCTION AND LOCATION OF THE CONTROLS



1. BELT CLIP
2. BATTERY COMPARTMENT
3. POWER ON / OFF-VOLUME CONTROL : Rotate clockwise to turn "ON" and increase listening volume level. Rotate counter-clockwise to decrease volume or turn the transceiver "OFF".
4. PUSH-TO-TALK BUTTON : Press to transmit, and release to receive.
5. SPEAKER
6. MICROPHONE
7. MONITOR (M) BUTTON : Press to monitor channel activity.
- 8-1. "CHANNEL UP": Pressing this button momentarily, advances 1 channel. Holding the button will continuously advance channels until button is released.
- 8-2. "CHANNEL DOWN": Pressing this button momentarily, decreases 1 channel. Holding the button will continuously decrease the channels number until the button is released.
9. CALL BUTTON : Press and hold to send a ringing sound to all radios turned to the same channel.
10. CHARGER JACK : For use with DC Adapter (9V, 200mA)
11. CHANNEL DISPLAY : Indicates the channel (1-14) selected.
12. TX LED : Illuminates while radio is transmitting.
13. BATT LOW LED : Illuminates when battery charge is low.
14. ANTENNA
15. SPEAKER JACK / MICROPHONE JACK (SP/MIC) :
For use with an external "Ear & Microphone".

■ BATTERY INSTALLATION

Your radio requires four "AAA" alkaline cells or four rechargeable "AAA" nickel cadmium cells. Alkaline batteries will provide your transceiver's best range and performance. Remove the battery cover by releasing the clasp at the bottom of the compartment. Observe the polarity symbols inside the battery tray when installing the batteries.



CAUTION : Incorrect battery installation can damage the unit.

- ① Do not use DC adapter without rechargeable batteries.
- ② Do not install different type of batteries (standard, alkaline, or different-brand rechargeable), especially when you use the internal charger with DC adapter.

■ BATTERY SAVER MODE

Your NFR-200 has a unique circuit designed to dramatically extend the life of its batteries. Four seconds after the transmit button has been pressed, the NFR-200 will switch to battery saver mode, and the LCD display will turn off. The transceiver will remain ready to receive any incoming transmissions while in the battery saver mode. Pressing any of the buttons will illuminate the LCD display and exit the battery saver mode.

■ HOW TO OPERATE YOUR RADIO

TO RECEIVE

1. Turn the power on.
2. If the "Battery Low" indicator is on, charge or replace the batteries.
3. Set the channel selector to the desired channel.
4. Adjust the volume control to a desirable listening level by pressing and holding the monitor button while turning the volume control knob.

TO TRANSMIT

1. Turn the power on.
2. If the "Battery Low" indicator is on, charge or replace the batteries.
3. Set the channel selector to the desired channel.
4. To transmit, press the Push-to-Talk button. Speak slowly and clearly in a normal voice, approximately 2-3 inches from the microphone. A built-in modulation control circuit will automatically adjust the microphone input level. There's no need to speak loudly.
5. To receive, release the Push-to-Talk button.

■ WARNING

Remove the batteries from the transceiver if it is not expected to be used for long periods. This will eliminate the possibility of chemicals leaking from the batteries and corroding the transceiver.

Avoid exposing the transceiver to water or extremes of temperature.

Do not use this device in or near a mining facility, which uses remotely triggered explosives or in areas labeled "Blasting Area". Premature or accidental detonation may result.

Do not use this device or change its batteries in potentially explosive atmospheres, as sparks in such areas could result in an explosion.

Turn your transceiver off wherever posted notices restrict the use of radios or cellular telephones. Facilities such as hospitals may use equipment that is sensitive to RF energy.

Turn your transceiver off on board aircraft when requested to do so.

Do not place your radio in front of a vehicle's airbag. If the airbag deploys, it could propel the transceiver like a projectile causing bodily injury.

This transceiver complies with F.C.C. regulations for use in the United States. Use in other countries may be prohibited or restricted by local regulation. Please check with the local regulating agency before using this device outside of the United States.

■ SPECIFICATIONS

Channel.....	14
Output power.....	500mW ERP
Battery life :	
(Alkaline).....	23Hours(1050mA)
(NiCd).....	6.5Hours(300mA)
Power Source(Alkaline).....	6V DC

Frequencies :

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	462.5625 MHz	8	467.5625 MHz
2	462.5875 MHz	9	467.5875 MHz
3	462.6125 MHz	10	467.6125 MHz
4	462.6375 MHz	11	467.6375 MHz
5	462.6625 MHz	12	467.6625 MHz
6	462.6875 MHz	13	467.6875 MHz
7	462.7125 MHz	14	467.7125 MHz

Specifications are typical ; individual units might vary.
Specifications are subject to change and improvement without notice.