NILES®

INSTALLATION & OPERATION GUIDE

HAND-HELD LEARNING REMOTE CONTROL

R-6L R-8L

CONGRATULATIONS!

Thank you for purchasing the **Niles R-6L or R-8L Hand-Held Learning Remote Control**. With proper setup and operation, you should enjoy years of trouble-free use.

Niles manufactures the industry's most complete line of custom installation components and accessories for audio video systems. To see the complete Niles product assortment, visit us on the Internet at: **www.nilesaudio.com**

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INTRODUCTION

The Niles **R-6L** and **R-8L** hand-held learning remote controls are used as source controllers for Niles MultiZone receivers (ZR-4 and ZR-6 respectively). They come preloaded with ZR-4/ZR-6, ZR-PRO and many other popular component commands, and can learn virtually any IR code for enhanced source operation from any zone.

Figure 1. Niles R-8L Hand-Held Learning Remote Control

PARTS GUIDE

1) SOURCE SELECT KEYS

1.) Pressing one of these keys selects the built-in AM/FM tuner or any of the connected sources for playback and operation (for the ZR-4, up to three connected sources, SRC 2-4; and for the ZR-6/ZR-PRO up to five connected sources, SRC 2-6 with iPod® always appearing as source

2.) There are additional Source Select Keys to operate a TV and an auxiliary component such as a DVD player connected to the TV.

2) ON AND OFF KEYS

Turns the selected device On or Off

3) SETUP KEY

Used to configure the remote

4) TRANSPORT KEYS

Used to skip backward, rewind, fast forward, skip forward, stop, pause, or play tracks from the selected source

5) MENU KEY

Press this key to display a menu for the selected source

6) INFO KEY

Press this key to display the current channel and program information

7) MENU CURSOR KEYS

Use these keys to move the cursor in the menu screen. Press OK to choose the highlighted menu option or to toggle between the AM and FM tuner bands

8) VOLUME KEYS

These keys are used to raise or lower the sound level. Press the Mute key to turn the sound off or on

9) CHANNEL SELECT KEYS

These keys are used to select the next or previous channel and to select next or previous chapter on some models of DVD players. Press the Last key to recall the last-viewed channel

10) GUIDE KEY

Press this key to display the program guide for the selected source

11) EXIT KEY

Press this key to exit the selected source's menu, guide, or program without making a menu selection
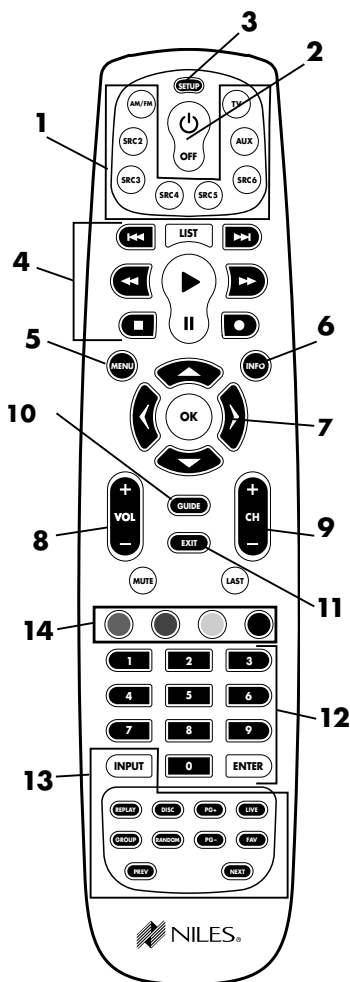
12) DIRECT ACCESS KEYS

Directly enter channels (for example: 09 or 31). Press the Enter key to send channel number entry on certain TV models

13) EXTENDED FUNCTION KEYS

Provide additional functionality for advanced features, menus, and guides

14) DVR SPECIAL FUNCTION KEYS

BATTERY INFORMATION

Your Niles R-6L or R-8L Hand-Held Learning Remote Control requires 2 Alkaline "AA" batteries (included).

BATTERY USE AND SAFETY

- *Use only fresh batteries of the required size and recommended type*

- *Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities*

- *If you do not plan to use the remote for an extended period, remove the batteries. They can leak chemicals that can destroy electronic parts*

WARNING: DISPOSE OF OLD BATTERIES PROMPTLY AND PROPERLY. DO NOT BURN OR BURY THEM.

TO INSTALL BATTERIES

1. Open the battery compartment cover (located on the back of the remote).

*2. Place the "AA" batteries in the compartment matching the **+** and **−** polarity symbols inside.*

3. Replace the cover.

NOTE: WHEN THE BATTERY VOLTAGE IS LOW, A SOURCE KEY LED WILL BLINK 5 TIMES AFTER A KEYPRESS.

CONFIGURATION

CONFIGURE A SOURCE

To configure the Niles **R-6L/R-8L Hand-Held Learning Remote Control** to control the connected source devices, follow the steps below. Before proceeding, find the codes for the devices you want to configure in "**Manufacturer's Codes**" and write them down or highlight them.

1. Turn on the device (for example: CD player) and, if needed, load media (for example: a CD).

*2. Press a **Source key (SRC2, SRC3, SRC4, SRC5, SRCL** or optionally the **TV, Aux)** on the R-6L or R-8L that you wish to program.*

*3. Press and hold **SETUP** until the source key LED blinks twice, then release.*

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4. Enter the first five-digit code for the device and brand that you wish to program. The source key LED blinks once as each digit is entered. If the code is valid, source key the LED blinks twice.

NOTE: IF THE SOURCE KEY LED DOES NOT BLINK TWICE, REPEAT STEPS 2 TO 4 AND TRY ENTERING THE CODE AGAIN.

5. Aim the remote at the device and press **POWER OFF**. The device should turn Off. If it does not, repeat **steps 3–5**, trying each code for your brand until you find one that works. If you cannot find a code that works, see *"**SEARCHING FOR YOUR CODE**"*.

6. Repeat **steps 1 to 5** for the other devices you want to control.

SEARCHING FOR YOUR CODE

If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed, try searching for your code:

1. Turn the device you wish to control on.

2. Press a source key once.

3. Press and hold **SETUP** until the source key LED blinks twice, then release.

4. Enter **991**, then the device group number (see table below). The source key LED blinks twice.

TABLE:

0	Cable (cable converters, video accessories, satellite receivers)
1	TV (TVs)
2	VCR (VCRs, DVD players)
3	Audio (audio amplifiers, audio amp/tuners, CD players)

5. Aim the remote at the device and press **POWER OFF**. The remote sends IR codes from its library to the selected device, starting with the most popular code first. If the device responds, go to **step 7**.

6. If the device does not respond, press **CH+** and the remote will test the next code for that device type. Continue to press **CH+** until the device turns Off.

NOTE: PRESS CH- TO TRY THE PREVIOUS CODE.

7. Now that you have found the correct code, press **SETUP** to save the code that worked for your device. The source key LED will blink twice to indicate that the code has been saved. To search for other device codes, repeat **steps 1** to **5.**

CHECKING THE CODES

If you have set up the remote using the procedure in "**SEARCHING FOR YOUR CODE**", you may need to find out which five-digit code is operating your equipment. For example, to find out which code is assigned to your TV:

1. *Press **TV** source key once*

2. *Press and hold **SETUP** until the red LED blinks twice, then release*

3. *Enter **9 9 0**. The source key LED blinks twice*

4. *To view the code for the first digit, press **1**. Count the source key LED blinks (for example: three blinks = 3), and write down the number.*

NOTE: IF A CODE DIGIT IS 0, THE SOURCE KEY LED DOES NOT BLINK

5. *Continue through the four remaining digits by pressing the **2** key for the second digit, the **3** key for the third digit, the **4** key for the fourth digit and the **5** key for the fifth digit.*

6. *To check for other device codes, repeat **steps 1—5**, substituting the source key for the desired device you would like to check*

LEARNING PRECAUTIONS

Your original remote controls must be in working order to learn **IR** commands properly.

• *Learned keys are device-specific, so each key can store a 'unique function' for each device*

• *Do not use the following keys for learning: Source Keys, **SETUP***

• *Learning capacity is approximately 42 to 75 keys, depending on the code being learned*

• *Certain device functions can not be learned including multi-frequency types, some high frequency codes, and other unusual formats*

• *For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights*

NOTE: PLEASE HAVE YOUR ORIGINAL REMOTE CONTROLS HANDY BEFORE PROGRAMMING LEARNING

PROGRAMMING A LEARNED KEY

NOTE: IF MORE THAN 10 SECONDS PASS BETWEEN KEY PRESSES, THE REMOTE EXITS PROGRAMMING MODE

1. *Place the Niles **R-6L or R-8L Hand-Held Learning Remote Control** head-to-head (about 2" apart) from your original remote control. Also locate the key (on your original*

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*remote control) that you want the **R-6L or R-8L Hand-Held Learning Remote Control** to learn. Press the source key for which you wish to learn keys.*

2. *Press and hold **SETUP** until the source key LED blinks twice, then release.*

3. *Enter **9 7 5**. The source key LED blinks twice.*

NOTE: IF THE SOURCE KEY LED DISPLAYS ONE LONG FLASH INSTEAD, YOUR BATTERIES ARE LOW, OR THE HAND-HELD LEARNING REMOTE CONTROL HAS NO FREE MEMORY SPACE AVAILABLE. IN EITHER CASE, THE REMOTE CANNOT LEARN A NEW KEY. REPLACE THE BATTERIES IF NECESSARY, OR IN THE CASE OF MEMORY SPACE SHORTAGE DELETE CODES TO FREE SPACE.

4. *Press the key on the Niles R-6L or R-8L Hand-Held Learning Remote Control you wish to learn. The source key LED will blink rapidly for three seconds, indicating the remote is ready to learn.*

5. *On the original remote, press and hold the key to be learned. Continue holding the key on the original remote until the R-6L or R-8L Hand-Held Learning Remote Control Source Key LED blinks twice.*

NOTE: IF THE SOURCE KEY LED DISPLAYS ONE LONG BLINK, A LEARNING ERROR HAS OCCURRED. TRY REPEATING THIS STEP AGAIN UNTIL A SUCCESSFUL CAPTURE IS OBTAINED. IF THE FUNCTION IS STILL NOT CAPTURED, PRESS AND HOLD SETUP TO EXIT PROGRAMMING AND REVIEW THE "LEARNING PRECAUTIONS" ABOVE. IF NEEDED, ALSO SEE "TROUBLESHOOTING". AFTER REVIEW, START PROGRAMMING AGAIN AT STEP 1.

6. *Repeat **steps 4** through **5** for another key you would like to learn. Once you have completed learning all keys, press and hold **SETUP** until the source key LED blinks twice to save all data learned.*

DELETING A SINGLE LEARNED KEY

This process returns the key to its original programming for the device you select. You can also delete learned programming by teaching a different function to the key (see "**Programming a Learned Key**").

NOTE: IF MORE THAN 10 SECONDS PASS BETWEEN KEY PRESSES, THE REMOTE EXITS PROGRAMMING MODE.

1. *Press the source key from which you wish to remove the learned key*

2. *Press and hold **SETUP** until the source key LED blinks twice, then release*

3. *Enter **9 7 6**. The source key LED blinks twice*

4. *Press the key containing the learned function to be deleted twice. The source key LED blinks twice and the remote exits from programming mode*

DELETING ALL LEARNED KEYS OF A SPECIFIC DEVICE

NOTE: IF MORE THAN 10 SECONDS PASS BETWEEN KEY PRESSES, THE REMOTE EXITS PROGRAMMING.

1. *Press and hold **SETUP** until the source key LED blinks twice, then release*

2. *Press **9 7 6**. The source key LED blinks twice*

3. *Press a source key twice to clear all the learned keys for that device. The source key LED blinks twice and the remote exits from programming mode*

RESTORING KEY FUNCTIONS TO FACTORY SETTINGS

1. *Press and hold **SETUP** until a source key LED blinks twice, then release.*

2. *Enter **9 8 0**. A source key LED blinks twice.*

3. *Press and hold **SETUP** until a source key LED blinks twice, then release.*

PROGRAMMING SEQUENCES

Your Niles **R-6L/R-8L Hand-Held Learning Remote Control** includes the ability to program any key (other than the **SETUP** key) with a Sequence of functions. Each key can be set up to perform a pre-programmed set of sequential commands with the press of one key. A sequence can be used to control a home theater operation, to set a favorite channel, or for other multiple functions you would like to control with one key press. Moreover, each Sequence Key can hold up to 15 commands. You can program a sequence that operates regardless of what device is selected, or one that only operates for a specific device.

NOTE: PROGRAMMING A NEW SEQUENCE OVER AN EXISTING ONE ERASES THE ORIGINAL SEQUENCE.

PROGRAMMING A DEVICE INDEPENDENT SEQUENCE

1. *Press and hold **SETUP** until a source key LED blinks twice, then release.*

2. *Press **9 9 5**. The source key LED blinks twice.*

3. *Press the key to which you wish to assign a sequence.*

4. *Enter the series of commands (key presses) you want the sequence to execute (up to 15 commands).*

5. *Press and hold **SETUP** until the source key LED blinks twice, then release.*

Now, when you press the preset sequence key, the remote sends the series of commands you have entered, regardless of what device is selected. For example, you could program a sequence key to turn on both your TV and cable box and select a particular channel. To clear the sequence, repeat **steps 1-5** above, but do not enter a series of commands at **step 4**.

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PROGRAMMING A DEVICE DEPENDENT SEQUENCE

1. *Press a source key.*

2. *Press and hold **SETUP** until the source key LED blinks twice, then release.*

3. *Press **9 7 8**. The source key LED blinks twice.*

4. *Press the key to which you wish to assign a sequence.*

5. *Enter the series of commands (key presses) you want the sequence to execute (up to 15 commands).*

6. *Press and hold **SETUP** until the source key LED blinks twice, then release.*

Now, when you press the sequence key , the remote sends the series of commands you have entered, but only if the device selected in **step 1** Is active. For example, you could program the sequence key to turn on both your TV and cable box and select a particular channel, but only if the TV is selected. If the DVD is selected, this key does not execute the sequence you set up for the TV. To clear the sequence, repeat **steps 1-6** above, but do not enter a series of commands at **step 5**.

TROUBLESHOOTING

PROBLEM:
1. LED does not blink when you press a key.

SOLUTION:
• *Try pressing different keys. Replace the batteries with 2 new AA batteries*

PROBLEM:
2. LED blinks when you press a key, but device does not respond.

SOLUTION:
• *Make sure the remote is aimed at your device and is not more than 40 feet away*

PROBLEM:
3. Source key LED blinks one long blink while in SETUP mode.

SOLUTION:
• *An entry error has occurred (for example, wrong key). Try entering the sequence again*

PROBLEM:
4. Remote does not control devices or commands are not working properly.

SOLUTION:
• *Try all listed codes for the device. Make sure the device operates with an infrared remote control*

PROBLEM:

5. CH+, CH-, and LAST do not work for your RCA TV.

SOLUTION:

• Due to RCA design from 1983 to 1987, only the original remote control will operate these functions

PROBLEM:

6. Channels do not change properly when directly entering digits to change channels.

SOLUTION:

• If the original remote control required you to press Enter to change channels, press Enter on this remote after entering the channel number

SPECIFICATIONS

Transmitter: Infrared

Signal Range: Approximately 15-30 Feet (4-10 Meters)

Power Supply: Two "AA" batteries (1.5Vx2)

LIMITED WARRANTY

Niles Audio Corporation ("NILES") warrants to the original retail purchaser only that this product will be free of manufacturing defects in material and workmanship for the following periods and subject to the limitations and exclusions set forth below:

Lifetime Warranty
All Passive Loudspeaker Products (those not requiring AC or battery power).

Ten years from the date of purchase
All Other Passive Products (those not requiring AC or battery power).

Two years from the date of purchase
All Active Products (those requiring AC or battery power).

This warranty is not transferable to subsequent purchasers of the product. To obtain warranty service, contact the authorized dealer where you purchased your product or take the unit to the nearest authorized NILES dealer (with proof of purchase – claims made without proof of purchase will be denied) who will test the product and if necessary, forward it to NILES for service. If there are no authorized NILES dealers in your area, you must contact NILES to receive a factory Return Authorization Number. **DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM NILES.**

Upon examination, NILES will, at its sole option and expense, repair or replace any product found to be defective. NILES will return the repaired or replaced unit to you via its usual shipping method from the factory to your address in the United States of America or Canada only. Any shipping costs for addresses outside of the United States or Canada shall be the responsibility of the purchaser. In the event that this model is no longer available and cannot be repaired effectively, NILES, at its sole option, may replace it with a different model of equal or greater value, or refund the original purchase price paid. **THE FOREGOING ARE YOUR EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY.**

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This Warranty does not include service or parts to repair damage caused by improper use or handling, including but not limited to damage caused by accident, mishandling, improper installation, commercial use, abuse, negligence, or normal wear and tear, or any defect caused by repair to the product by anyone other than NILES.

This warranty does not cover reimbursement for your costs of removing and transporting the product for warranty service evaluation, or installation of any replacement product provided under this warranty.

This Warranty will be void if:
• the Serial Number on the product has been removed, tampered with or defaced.
• the product was not purchased from an authorized dealer or reseller.

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1) goods acquired on a secondary or grey market

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3) damaged, or defective goods

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