NAD® HTR 3
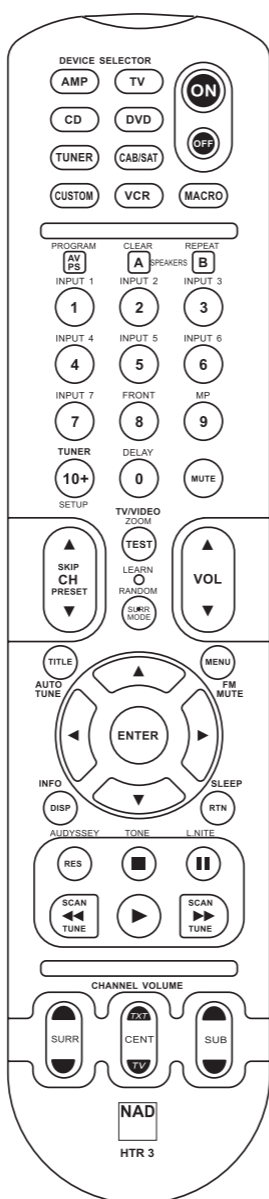
Learning Remote Control

Owner's Manual

Manuel d'Installation

Manual del Usuario

Manuale delle Istruzioni

Bedienungsanleitung

Gebruikershandleiding
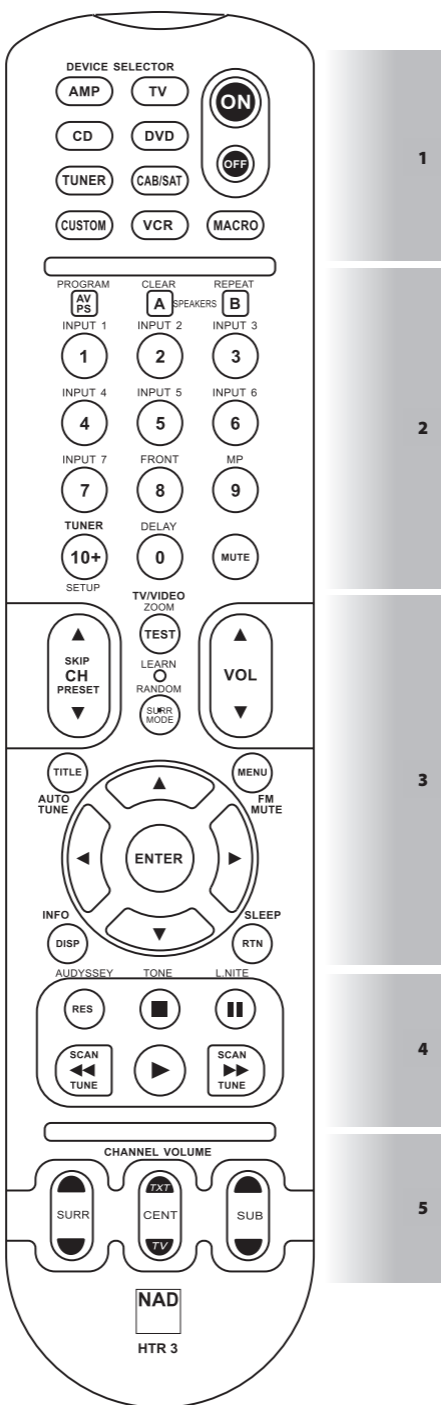
Bruksanvisning

Инструкция по эксплуатации

DEVICE SELECTOR

AMP · TV · ON
CD · DVD · OFF
TUNER · CAB/SAT
CUSTOM · VCR · MACRO

PROGRAM · CLEAR · REPEAT
AV PS · A SPEAKERS · B
INPUT 1 · INPUT 2 · INPUT 3
1 · 2 · 3
INPUT 4 · INPUT 5 · INPUT 6
4 · 5 · 6
INPUT 7 · FRONT · MP
7 · 8 · 9
TUNER · DELAY
10+ · 0 · MUTE
SETUP · TV/VIDEO ZOOM
SKIP ▲ · TEST · VOL ▲
CH · LEARN ○
PRESET ▼ · RANDOM · ▼
· SURR MODE

TITLE · ▲ · MENU
AUTO TUNE · · FM MUTE
◄ · ENTER · ►
INFO · ▼ · SLEEP
DISP · · RTN

AUDYSSEY · TONE · L.NITE
RES · ■ · ❚❚
SCAN ◄◄ TUNE · ► · SCAN ►► TUNE

CHANNEL VOLUME
SURR · TXT CENT TV · SUB

NAD
HTR 3

1 Top section features ON/OFF, MACRO and eight DEVICE SELECTOR keys

2 Upper middle section has AVPS, SPEAKERS, PROGRAM, CLEAR, REPEAT, MUTE and number keys 0 to 10+

3 Middle section with CHANNEL, VOLUME, TEST, navigation and surround keys

4 Lower middle section with transport control keys

5 Bottom section with CHANNEL VOLUME trimming keys

OVERVIEW OF THE HTR 3

- Controls up to 8 devices.
- 44 function keys.
- Learns up to 352 commands.
- Records up to 44 macros with a maximum of 64 commands each.
- Configurable punch-through.
- Key illumination with programmable timeout.
- Upgradable.
- Contains pre-programmed library of NAD remote codes.

The NAD HTR 3 is ready to operate NAD components right out of the box, but it is really eight remotes in one. Each of the 8 DEVICE SELECTOR keys at the top of the handset can call up a new "page" of remote control codes to be transmitted by the remaining 44 keys. You may "teach" codes from any infrared-remote controlled component, regardless of brand, to any or all of these.

Obviously, the most logical system is that you teach the codes from your DVD player to the [DVD] DEVICE SELECTOR "page," your television's codes to the [TV] "page" and so on, but there is no required scheme: You may load any commands to any key on any page (see "Learning Codes From Other Remotes," below).

The HTR 3 is already pre-programmed with a full complement of NAD receiver commands on its [AMP] DEVICE SELECTOR page, and as well as with library commands to operate most NAD-brand DVD or CD components on the corresponding DEVICE SELECTOR "pages." These default commands are permanent: Even if you teach the HTR 3 new commands to take their place, the underlying library commands remain in place and can easily be recalled should you add an NAD component to your system later (see "Delete Mode", below).

GETTING FAMILIAR WITH THE HTR 3

The HTR 3 is divided into two main sections. Eight DEVICE SELECTOR keys at the top—[AMP], [DVD,] [TV,] and so on—set the handset's remaining keys to a "page" of commands to control a particular component. A DEVICE SELECTOR key determines only what component the HTR 3 will command; it does not perform any function on the component. All of the remaining keys are function keys that can "learn" control codes from virtually any infrared remote controller, allowing you to teach the codes of your equipment, regardless of brand, to the HTR 3.

All of the function keys on the [AMP] DEVICE SELECTOR "page" are pre-programmed to control NAD amplifiers, preamplifiers and receivers. The HTR 3 can also command many other NAD components, from its [DVD], [CD], [TUNER] and [CUSTOM] pages.

It is important to note that certain HTR 3 keys perform different functions depending on the selected DEVICE SELECTOR "page." The color of the DEVICE SELECTOR key-labelling corresponds to the labelling of the function keys. Most centrally, the black [AMP] DEVICE SELECTOR "page" corresponds to the black as well as white input-select labelling above the numeric keys: When the HTR 3's [AMP] DEVICE SELECTOR page is active; these keys select the amplifier or receiver inputs. Similarly, the purple [DVD] DEVICE SELECTOR "page" corresponds to several purple labels, the green [TV] page to green labels, and so on.

LEARNING CODES FROM OTHER REMOTES

Begin by positioning the HTR 3 "nose-to-nose" with the source remote so the two devices' infrared windows are about 2 inches apart.

• Enter Learning Mode: On the HTR 3, simultaneously press-and-hold for 3 seconds both a DEVICE SELECTOR key and the [RES] key (just below the DISP key) until the Learn LED at the center of the HTR 3 turns steady green.

• Press the HTR 3's function key you wish to teach a command; the Learn LED will turn amber.

• Press-and-hold the function key on the source remote: The HTR 3's Learn LED will flicker amber for a second or two, then turn solid green. The command is learned.

• Press the HTR 3's DEVICE SELECTOR key again to exit the learning mode.

If the Learn LED does not flicker amber you may need to vary the distance between the remotes. If the Learn LED turns red rather than green, that particular command of that source remote command could not be learned. In rare instances, there maybe some IR format that is not compatible with the HTR 3.

Example: Learning "DVD Pause"

Position the HTR 3 and your DVD player's remote as described above.

• On the HTR 3, simultaneously press-and-hold [DVD] and [RES]; the Learn LED turns steady green.

• Press the HTR 3's Pause [❙❙] key; the Learn LED turns amber.

• Press-and-hold the corresponding Pause key of your DVD player's remote control; the HTR 3's Learn LED flickers amber and then turns solid green. The command is learned.

• Press [DVD] again to exit the learning mode.

CANCEL OPERATION

You can cancel configuring a key, by pressing the active DEVICE SELECTOR key before the learn process is complete; the Learn LED will turn red.

PUNCH THROUGH

The HTR 3's "punch-through" function allows you to retain a function key from one Device Select "page" to another, so that, for example, the AMP [SURR MODE] function might still control the NAD A/V receiver when the DVD DEVICE SELECTOR page is active.

NOTE

The HTR 3's [VOL] keys are pre-programmed as "punched-through" for all Device Select pages: [VOL] will operate the NAD's master-volume regardless of the currently selected device. The [SURR] [CENTER,] and [SUB] Channel Volume controls similarly are pre-programmed as punched-through.

To set a punch through, after entering the Learning Mode, and pressing the desired key to be punched through, simply press the device key twice of the device to punch through to. The status LED will turn green; press the DEVICE SELECTOR key again to exit Learning Mode.

Example: Punch-through AMP [SURR MODE] key to the DVD "page"

• On the HTR 3, simultaneously press-and-hold [DVD] and [RES]; the Learn LED turns steady green.

• Press [SURR MODE]; the Learn LED turns amber.

• Press [AMP] twice; the Learn LED turns green.

• Press [DVD] again to exit the learning mode.

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COPY A COMMAND FROM ANOTHER KEY

You may copy a command from any HTR 3 key to any other. To copy a key function, after entering the Learning Mode, and pressing the desired key to be copied to, simply press the device key from which you wish to copy, having first pressed its DEVICE SELECTOR key if it resides on another "page." The status LED will turn green; press the DEVICE SELECTOR key again to exit Learning Mode.

Example: Copy the Pause command from the CD page to the AMP [II] button:

- On the HTR 3, simultaneously press-and-hold [AMP] and [RES]; the Learn LED turns steady green.
- Press Pause [II] ; the Learn LED turns amber.
- Press [CD]; press Pause [II] ; the Learn LED turns green.
- Press [AMP] again to exit the learning mode.

NOTE

The copy and punch-through functions are similar. However, if you copy a command and then subsequently delete, or over-write the original (source-key) command , the copied-to key's command remains unchanged. If you punch-through to a command and then delete or over-write the original key, the punched-through functions also change accordingly.

MACRO COMMANDS

A "macro" command is a series of two or more remote codes issued automatically from a single keypress. You might use a macro to automate a simple command sequence, such as, "Turn on the DVD player and then press 'play.'" Or you might compose an elaborate macro to power up an entire system, select a source, choose a Listening Mode, and begin playback—again, all from a single keypress. The HTR 3 can store one macro on each of its function keys (these exclude the DEVICE SELECTOR keys).

NOTE

Macros are independent of the currently selected device.

RECORDING MACROS

To record a macro, simultaneously press-and-hold for 3 seconds both the [MACRO] key and the HTR 3 function key to which you wish to assign the macro, until the status LED turns green. The macro button will also light up.

Press the sequence of function keys to be recorded into the macro, being sure to first press the requisite DEVICE SELECTOR key for each function (you may switch devices while recording the macro as many times as necessary), allowing you to create macro containing commands from more than one DEVICE SELECTOR "page."

When you have finished entering the desired command sequence, press [MACRO] again to store the macro; the Learn LED and [MACRO] key illumination will turn off.

NOTE

Each macro can store a maximum of 64 command steps. If you exceed this number, the macro will be stored automatically after the 64th command is added.

Example: Record a Macro to the [0] key to turn ON the NAD Receiver, turn ON the DVD Player, Select Input 1 and commence disc playback of connected Input 1 device (as in the DVD player):

• On the HTR 3, simultaneously press-and-hold [MACRO] and [0] (numeric zero); the Learn LED turns steady green.
• Press [AMP], press [ON]; press [DVD], press [ON]; press [AMP], press [1] (Input 1); press [DVD], press ▶ (Play).
• Press [MACRO] again to exit the macro-record mode.

To clear a macro, perform the above steps without entering any functions.

EXECUTING MACROS

To execute a macro, press and release [MACRO]; its key illumination lights for 5 seconds. While it remains lit, press an HTR 3 key to which a macro has previously been stored.

The corresponding macro will run; as each step executes, its "parent" DEVICE SELECTOR key flashes briefly; when execution is finished, the [MACRO] key illumination goes out. Pressing any other HTR 3 key while a macro is executing will abort the macro. Remember that you must hold the HTR 3 so that its infrared emitter can activate the target components.

NOTE

When a macro executes, a 1 second delay is automatically inserted between its commands. If you need more than a 1 second delay between particular commands—for example, to permit a component to power up completely— you can record "empty" steps into the macro by changing DEVICE SELECTOR "pages" without entering actual command functions.

BUTTON ILLUMINATION TIMEOUT

The HTR 3's key-illumination can be set to remain lit for 0-9 seconds. The default value is 2 seconds. To set the illumination timeout, simultaneously press-and-hold for 3 seconds both the HTR 3's [DISP] and the [0-9] key, with the digit corresponding to the desired timeout duration; the Learn LED will flash twice to confirm the new setting. When set to zero, the illumination will not turn on at all.

NOTE

Key illumination is the biggest drain on the HTR 3's batteries. A short key-illumination timeout will extend battery life appreciably; turning it off altogether (set it to 0 seconds) will lengthen it still further.

FACTORY RESET

The HTR 3 can be reset to its factory state, deleting all learned commands, copied and punched-through keys, macros, and other setup information; reverting all keys to their pre-programmed library commands.

To perform a factory reset simultaneously press-and-hold for 10 seconds the HTR 3's [ON] and [RTN] keys; the Learn LED will start to flash green. Release [ON] and [RTN] before the second flash is complete; the Learn LED will turn red, indicating the remote has been reset.

NOTE

You must release [ON] and [RTN] before the second flash goes out, otherwise the unit will not reset; should this occur, repeat the full procedure.

DELETE MODE

The HTR 3 can store learned, copied, and "default library" commands on any single key (The default library commands are the pre-programmed NAD codes, such as the native NAD receiver commands on the [AMP] "page.").

You can delete commands by layers back "down" to the default library command on any key, removing learned commands, punched-through functions, and copied keys.

NOTE

The default library commands cannot be deleted, so you need not worry that using Delete Mode might cause irreparable changes.

To enter Delete Mode, simultaneously press-and-hold for 3 seconds both the desired key's DEVICE SELECTOR key and the [RTN] key, until the Learn LED turns green. Press the function key whose command you wish to delete; the Learn LED flashes; the number of times indicates which type of function has become active - see the table below. Press the active DEVICE SELECTOR key again to exit Delete Mode.

NOTE

You may delete multiple function-key commands on the same DEVICE SELECTOR "page," but to delete from more than one DEVICE SELECTOR page you must exit Delete Mode and then re-enter it on the required page.

Flashes	Command Type
1	Default Library Command
2	Copied Library Command
3	Learned Command

LOADING CODE-LIBRARIES

The HTR 3 can store a different library of default NAD codes for each of its DEVICE SELECTOR "pages." If the original default library does not control your NAD CD player, DVD player or other component, follow the procedure below to change the code-library.

Begin by ensuring that the component you wish the HTR 3 to control is plugged in and powered-up ("ON," not merely in standby). To enter the HTR 3's Library Mode, simultaneously press-and-hold for 3 seconds both the desired DEVICE SELECTOR key and the [AVPS] key, until the Learn LED turns green.

While keeping the HTR 3 pointed toward the component, enter the first appropriate three-digit code-library number from the table below and then press [OFF]. If the component turns off, press [ENTER] to accept that code-library number and exit the Library Mode. If the component does not turn off, enter the next three-digit code-library number from the table.

When you enter the correct number the component will turn off; press [ENTER] to accept that code library number and exit the Library Mode.

NAD-brand component	HTR 3 code-library numbers
CD Player (new)	200
CD Player (old)	201
Tape Deck B	400
Tape Deck A	401
T562, T585, M55, T535	600
T550, L55	601
T512, T531, T532	602
T571, T572	602
L56	604
T513, T514, T533, T534	605
Zone Remote - Zone 3	3112
Zone Remote - Zone 4	4112

SEARCH MODE

If none of the codes from the table, when entered, turns on the component, and if you are quite sure you have followed the above procedure completely and carefully, you may want to try the "search" method as follows:

Enter Library Mode by simultaneously pressing-and-holding for 3 seconds both the desired DEVICE SELECTOR key and the [AVPS] key, until the Learn LED turns green. Now press-and-hold the HTR 3's ▲ or ▼ key; the remote will step through all the available codes at a rate of approximately 1 per second.

When the component turns off, immediately release the cursor key; press [ENTER] to accept that code-library and exit the Library Mode. Try a few commands; should you prove to have stepped past the needed code-library, re-enter the Library Mode and use the cursor key to step back to it.

NOTE

It is possible that search mode will find code-libraries that operate, at least partially, some other brand (non-NAD) components. You may certainly exploit such capabilities as you find them. However, since we can only ensure the completeness or accuracy of NAD code-libraries, we cannot support the HTR 3's operation with other-brand components.

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CHECKING CODE-LIBRARY NUMBER

You can check the current code-library on any DEVICE SELECTOR key as follows. Enter Library Mode by simultaneously pressing-and-holding for 3 seconds both the desired component's DEVICE SELECTOR key and the [AVPS] key, until the Learn LED turns green. Press the [DISP] key; the HTR 3 indicates the current code-library by flashing its [CUSTOM], [VCR], and [MACRO] keys.

For example, to indicate code-library #501, the HTR 3 will flash [CUSTOM] 5 times, pause, and then flash [MACRO] once. You might wish to make a note of your components' code-library numbers.

SUMMARY OF THE HTR 3 MODES

Mode	Keys To Press (for 3 seconds)
Learn/Copy/Punch Through	Device Key + RES Key
Delete Mode	Device Key + RTN Key
Macro Record	Macro Key + Function Key
Library Mode	Device Key + AVPS Key
Back Light Timeout	DISP Key + Digit Key
Factory Reset	See "Factory Reset" above

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