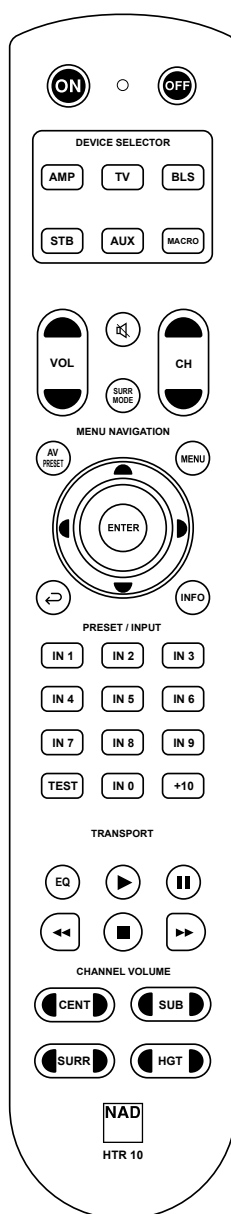




HTR10

Home Theatre Remote Control

ENGLISH



Owner's Manual

OVERVIEW OF THE HTR 10

- Controls up to 5 devices.
- Pre-programmed with all NAD remote commands
- Learns up to 220 commands
- Records up to 48 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 10 is ready to operate compatible NAD components right out of the box, but it is really five remote controls in one. Each of the 5 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 keys. You may “teach” codes from any infrared-remote controlled component, regardless of brand, to any or all these keys.

Obviously, the most logical system is that you teach the codes from your AMP player to the [AMP] 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 10 is already pre-programmed with a full complement of NAD receiver commands on its [AMP] DEVICE SELECTOR page as well as BluOS commands on its [BLS] DEVICE SELECTOR. All function keys on the [AMP] DEVICE SELECTOR “page” is pre-programmed to control NAD amplifiers, preamplifiers, and receivers.

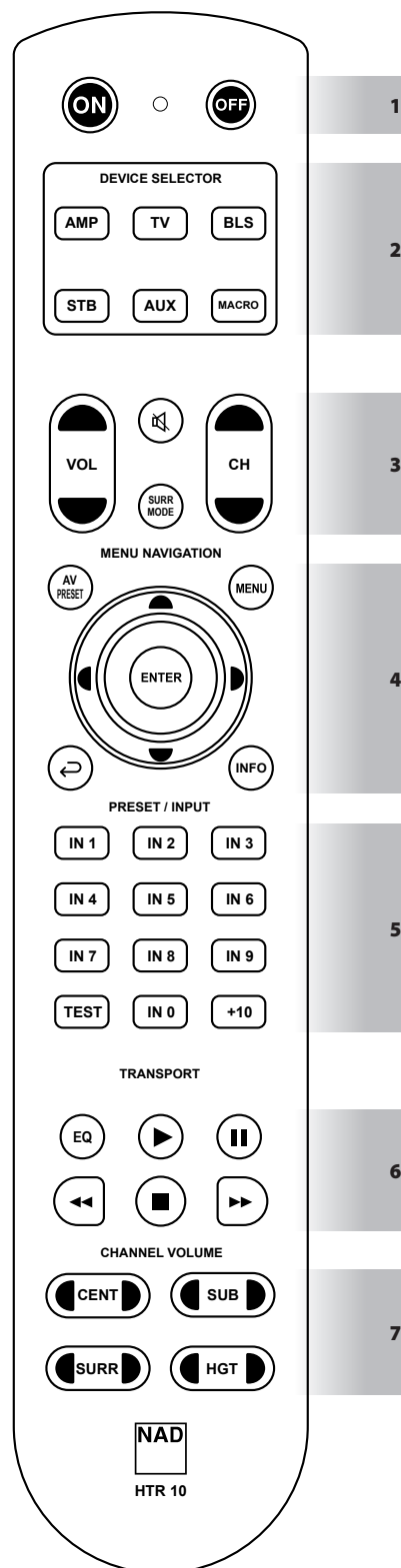
These default commands are permanent. Even if you teach the HTR 10 new commands to take their place, the underlying library commands remain in place and can easily be recalled should you add a compatible NAD component to your system later (see “DELETE MODE” below).

Library commands to operate other applicable NAD-brand Amplifier, DVD, BD, CD or Tuner devices can also be programmed to any of the DEVICE SELECTOR keys.

GETTING FAMILIAR WITH THE HTR 10

The HTR 10 is divided into two main sections. Five DEVICE SELECTOR keys at the top, [AMP], [TV], [BLS], [STB] and [AUX], 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 10 will command; it does not perform any function on the component. All 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 10.

DESCRIPTION OF KEY FUNCTIONS



The following functions are applicable with the DEVICE SELECTOR at AMP default setting.

1 ON, OFF

HTR 10 has separate ON and OFF buttons.

- Press ON button to switch a compatible NAD Amplifier or Receiver from Standby to operating mode.
- Press OFF button to switch a compatible NAD Amplifier or Receiver to Standby mode.

2 DEVICE SELECTOR

A DEVICE SELECTOR button determines only what component the HTR 10 will command; it does not perform any function on the compatible NAD component.

- Press desired DEVICE SELECTOR button for the applicable buttons to be directed to a "page" of commands relevant to the selected device. Upon selecting a Device, you can now press the corresponding HTR 10 control buttons applicable for the selected Device.

MACRO

Use MACRO key when recording a macro.

3

- Temporarily mutes audio output or restores audio from mute mode
- Adjusting the volume level via the HTR 10 VOL / or the front panel volume knob will automatically release the mute function.

SURR MODE

- Select desired listening or surround mode

VOL /

- Increase or decrease volume level

CH /

- Not applicable for NAD Amplifier or Receiver

4 AV PRESET

- Recall or select a stored A/V Preset number by pressing AV PRESET and then the numeric key corresponding to the desired A/V Preset number.
- An A/V Preset can be configured via the A/V Preset menu.

MENU, , ENTER

- Display MAIN MENU On-Screen-Display (OSD) by pressing any of the following buttons – MENU,  or ENTER. MAIN MENU OSD will be displayed via the connected video output device (i.e., TV).

, , , , ENTER

- Select an item in a menu by going left or right [/, up or down [/] and pressing ENTER (when necessary) to confirm a selection.
- Pressing [, , , , ENTER] will also return the user to the previous menu or exit from a particular menu.



- Return to previous menu or exit from the current menu.

INFO

- Toggle to display Source information in the front panel display of compatible NAD Receivers

5 INPUT SELECTOR

- Press IN 1 (as in INPUT 1) up to IN 9 to recall or select an assigned input. IN 1 maybe a device or source connected to the INPUT 1 rear panel. Note that one can assign any connected input or source to IN 1. IN 0 can also be assigned any connected device or source.

TEST

- Initiate Speaker Test mode while at the Speaker Levels section of the Speaker Setup menu of applicable NAD Receivers

+10

- Not applicable for NAD Amplifier or Receiver

6 EQ

- The EQ key is used in combination with a DEVICE SELECTOR key to learn, copy or punch-through a code, function, or command.

, , , ,

- Press Play [, Pause [, Skip Back [, Skip Forward [] or Stop [, a song. Some of these playback key functions may not be always applicable.

7

- Directly increase or decrease CENTER channel audio level

- Directly increase or decrease SUBWOOFER channel audio level

- Directly increase or decrease SURROUND channel audio level

- Directly increase or decrease HEIGHT channel audio level

All HTR 10 keys can perform any applicable functions or commands depending upon the DEVICE selected, Library loaded or learned/copied code.

LEARNING CODES FROM OTHER REMOTES

Begin by positioning the HTR 10 "nose-to-nose" with the source remote so the two devices' infrared windows are about 2 inches apart.

- **Enter Learning Mode:** On the HTR 10, simultaneously press-and-hold for 3 seconds both a DEVICE SELECTOR key and the [EQ] key until the Learn LED between ON and OFF keys of the HTR 10 turns steady green.
- Press the HTR 10'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 10's Learn LED will flicker amber for a second or two, then turn solid green. The command is learned.
- Press the HTR 10'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 the source remote control could not be learned. In rare instances, there may be some IR format that is not compatible with the HTR 10.

IMPORTANT NOTE

There are instances where the HTR 10 remote control cannot pick up the IR command from the source or sending remote control. This can be due to a non-standard or corrupted IR signal from the sending remote control. In such cases, the sending remote may be able to operate the device it came with but may be impossible for the NAD remote control to learn that command.

Example: Learning "BD Pause"

Position the HTR 10 and your Blu-ray player's remote control as described above.

- On the HTR 10, simultaneously press-and-hold [EQ] and the DEVICE SELECTOR key, [AUX] in this example, you would like to assign BD Pause; the Learn LED turns steady green.
- Press the HTR 10's Pause [II] key; the Learn LED turns amber.
- Press-and-hold the corresponding Pause key of your Blu-ray player's remote control; the HTR 10's Learn LED flickers amber and then turns solid green. The command is learned.
- Press [AUX] again to exit the learning mode.

NOTES

- The HTR 10 can learn up to 220 commands making use of all the DEVICE SELECTOR and function keys.
- The DEVICE SELECTOR keys can themselves be configured to learn a command.
- Press and hold a configured DEVICE SELECTOR for at least 2 seconds to execute a function assigned to the particular DEVICE SELECTOR key.
- Short press of a configured DEVICE SELECTOR will just switch the active device.

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 10'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 compatible NAD component when the BLS DEVICE SELECTOR page is active.

NOTE

The HTR 10's [VOL ▲/▼] keys are pre-programmed as "punched-through" for all Device Select pages: [VOL ▲/▼] will operate the compatible NAD component's master-volume regardless of the currently selected device. The [CENTER], [SUB], [SURR] and [HGT] Channel Volume controls are similarly 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 twice the DEVICE SELECTOR key 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 BLS "page"

- On the HTR 10, simultaneously press-and-hold [BLS] and [EQ]; the Learn LED turns steady green.
- Press [SURR MODE]; the Learn LED turns amber.
- Press [AMP] twice; the Learn LED turns green.
- Press [BLS] again to exit the learning mode.

COPY A COMMAND FROM ANOTHER KEY

You may copy a command from any HTR 10 key to any other key. 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 BLS page to the AUX [II] button

- On the HTR 10, simultaneously press-and-hold [AUX] and [EQ]; the Learn LED turns steady green.
- Press Pause [II]; the Learn LED turns amber.
- Press [BLS]; press Pause [II]; the Learn LED turns green.
- Press [AUX] 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 overwrite the original (source-key) command, the copied-to key's command remains unchanged. If you punch-through to a command and then delete or overwrite 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 TV and then increase volume level”. 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 10 can store one macro on each of its DEVICE SELECTOR and function 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 10 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 TV*, Select Input 1 (Source 1) and increase by one step the volume level of connected Source 1 device (as in the TV)

- On the HTR 10, simultaneously press-and-hold [MACRO] and [0] (numeric zero); the Learn LED turns steady green.
- Press [AMP], press [ON]; press [TV], press [ON]; press [AMP], press [1] (Input 1); press [TV], press [VOL ▲] – the Learn LED blinks as each step is added.
- Press [MACRO] again to exit the macro-record mode.

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

- * *Your TV's codes must have been learned/loaded already to HTR10's TV device.*

EXECUTING MACROS

To execute a macro, press and release [MACRO]; its key illumination lights for 5 seconds. While it remains lit, press an HTR 10 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 10 key while a macro is executing will abort the macro. Remember that you must hold the HTR 10 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 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.

KEY ILLUMINATION TIMEOUT

The HTR 10'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 10's [INFO] 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.

NOTES

- *Key illumination is activated when one presses any HTR 10 key.*
- *If HTR 10 senses movement, key illumination is activated without having to press a key. If HTR 10 is shaken, key illumination is also activated.*
- *Key illumination is the biggest drain on the HTR 10'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.*

CONFIGURING KEY ILLUMINATION

KEYS TO PRESS (FOR 3 SECONDS)	MODE
INFO + Digit Key (0-9)	Set key illumination timeout to number of seconds corresponding to digit key. Zero turns off the key illumination entirely.
INFO + OFF	Disable light sensor. Key illumination will turn on with any key press.
INFO + ON	Enable light sensor
INFO + ENTER	Set the light sensor threshold to the current light level.
INFO + RETURN icon	Restore all key illumination settings to factory default

FACTORY RESET

The HTR 10 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 10's [ON] and [↩] keys; the Learn LED will start to flash green. Release [ON] and [↩] before the second flash is complete; the Learn LED will turn red, indicating the remote has been reset.

NOTE

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

DELETE MODE

The HTR 10 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 [↔] 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 10 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 Amplifier or other component, follow the procedure below to change the code-library.

Begin by ensuring that the component you wish the HTR 10 to control is plugged in and powered-up (“ON”, not merely in standby). To enter the HTR 10's Library Mode, simultaneously press-and-hold for 3 seconds both the desired DEVICE SELECTOR key and the [AV PRESET] key, until the Learn LED turns green.

While keeping the HTR 10 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.

LIBRARY CODE	NAD PRODUCT DESCRIPTION	LIBRARY CODE	NAD PRODUCT DESCRIPTION
100	Receiver/Processor (Discrete On/Off)	306	C445
101	Receiver/Processor (Toggle On/Off)	307	Txx5 Tuner
102	S170	308	Viso Five Tuner
103	L75	309	Viso Two Tuner
104	2nd Zone	400	Tape Deck B
105	L70	401	Tape Deck A
106	L76	500	TV 280
107	118	501	MR13
108	L53, L54	502	MR20
109	L73	503	PMR45
110	Stereo Amplifier/Receiver	504	TechniSat TV
111	2nd Zone (Stereo)	505	LCD TV
112	Txx5 Series	600	T562
113	Viso Five	601	T550, L55
114	Viso Two	602	T512, T531, T532, T571, T572
115	HTRM 2	603	L70, L73 DVD
116	HTR 10	604	L56
200	CD Player	605	T513, T514, T533, T534
201	CD Player (old)	606	L53, L54 DVD
202	5170, 5240, 5340	607	Viso Five DVD
203	5325	608	Viso Two DVD
204	5060	609	Blu-ray
205	SACD Player	700	Viso Five MP Dock
300	Tuner	701	Viso Two MP Dock
301	L75, L76 Tuner	702	Media Player Internal
302	L70 Tuner	703	Media Player External
303	L53, L54 Tuner	800	DAC
304	L73 Tuner	801	M51
305	C425	999	A/V Preset Shift Table

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 [AV PRESET] key, until the Learn LED turns green. Now press-and-hold the HTR 10'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 10's operation with other-brand components.

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 [AV PRESET] key, until the Learn LED turns green. Press the [INFO] key; the HTR 10 indicates the current code-library by flashing its [STB], [AUX], and [MACRO] keys.

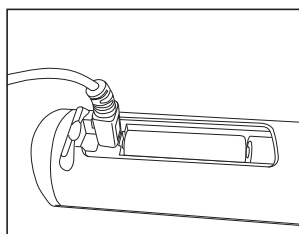
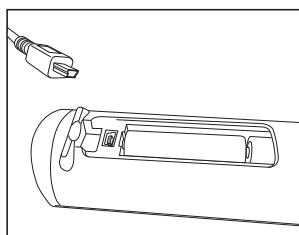
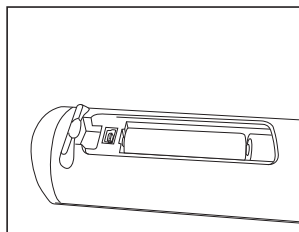
For example, to indicate code-library #501, the HTR 10 will flash [STB] 5 times, pause, and then flash [MACRO] once. You might wish to make a note of your components' code-library numbers.

SUMMARY OF THE HTR 10 MODES

MODE	KEYS TO PRESS (FOR 3 SECONDS)
Learn/Copy/Punch Through	Device Key + EQ Key
Delete Mode	Device Key + [↩] Key
Macro Record	MACRO Key + Function Key
Library Mode	Device Key + AV PRESET Key
Back Light Timeout	INFO Key + Digit Key
Factory Reset	See "Factory Reset" above

USB INTERFACE

The HTR 10 allows one to upload and download the configuration through a Windows® PC and NAD's Proprietary HTR 10 programming software. Use a USB A male to mini USB B male 5-pin cable (not supplied) between your Windows® PC and the HTR 10. See illustration below on how to connect a USB A male to mini USB B male 5-pin cable to the HTR 10.



NOTE

Check nadelectronics.com/software for the latest HTR 10 interface control software. Your custom installer or dealer can assist you in the proper setup and configuration of the mini USB interface and software.



www.NADelectronics.com

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