

IntelliControl®

HOME THEATER AUTOMATION SYSTEM



For most people, operating a home theater can be an intimidating and frustrating experience. Until now, you've either lived with the confusion of a cryptic universal remote or paid several thousand dollars for a modified boardroom touch-screen computer system. Now, there's a better solution. The IntelliControl Home Theater Automation System from Niles is the world's first affordable, true automation system expressly designed to provide one-touch operation of a home theater system.

A Complete System for Automation and Control

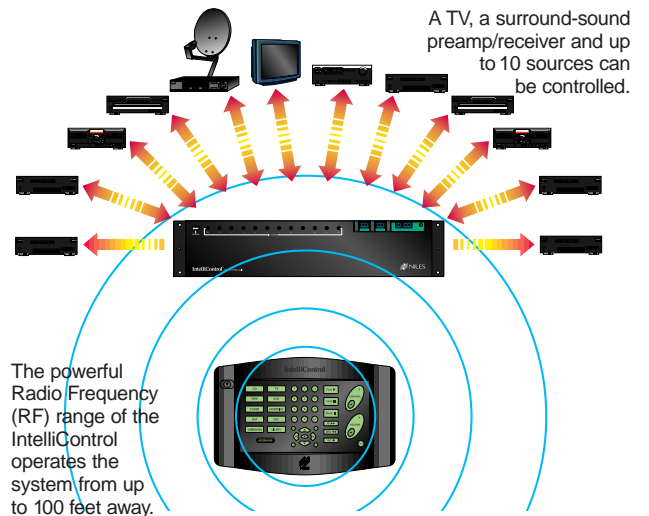
The IntelliControl Home Theater Automation System consists of two core components:



The IntelliControl® Table-Top Remote is an elegantly designed, ergonomic 43 button RF controller that functions as the primary user interface. The unit features backlighting for enhanced readability in low-light environments.



The IntelliControl Main System Unit resides behind the scenes and houses the microprocessor controlled circuitry that governs control, automation, and component on/off "synchronization".



The Ultimate Interface

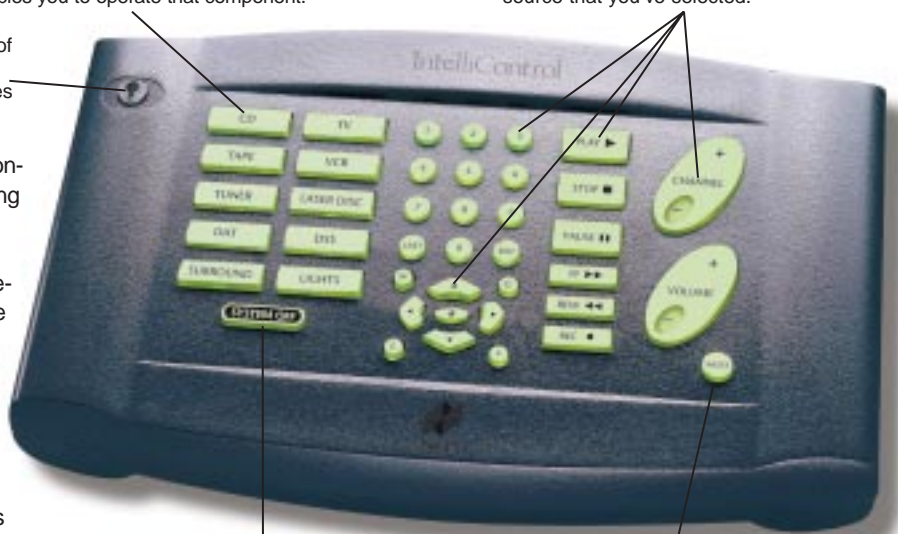
The Master Key on the table-top control can be custom labeled to match your system. When you select a Master Key it brightens to indicate that it is ready to be controlled. You operate the selected source using the Function Keys. As a result, the 43 keys are capable of completely controlling your television, your surround-sound receiver/pre-amp, and up to 10 source components, (the system accommodates up to 250 commands, expandable to 520 with an optional memory module!). Any key can be programmed to trigger a sequence (macro) containing up to 26 steps.

No more pointing the remote. The system's omnidirectional RF technology enables operation from any angle or position.

A single press of any of the 10 Master Keys automatically turns on and sets everything necessary to watch or listen to that source and enables you to operate that component.

A simple touch of the backlighting button illuminates all the keys.

The Function Keys (numeric keys, menu controls, and transport keys) operate the source that you've selected.



A single press of the System Off key automatically turns off the entire system.

When the system is muted, a single touch of the Volume Up, Mute or Source keys automatically unmutes the system to avoid ear-splitting surprises.

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The IntelliControl Main System Unit is the hidden “brain and nervous system” of the home theater.

The Main System Unit receives commands from the Table-Top Remote Control via RF transmission. The Main System Unit responds to a command by surveying the actual status of all of the components in the system via video and 12V “syncing” connections (it really “knows” whether a component is on or off). Based upon the status of the components, the Main System Unit creates an “intelligent” sequence of commands. Unlike conventional IR control systems, these IR sequences cannot be interrupted or blocked, they are directly issued from the Main System Unit to the component.

The system components are controlled via IR flashers attached to the front panel IR sensor windows of each component. Built-in IR routing supports up to eight identical audio/video components—all using the same IR codes (enabling multiple media



room TV's; multiple CD changers; etc.). IR level adjustments ensure that each component is fed the precise IR power level needed for completely reliable operation of the home theater.

System programming is handled by an authorized Niles dealer/installer. Programs (complete with all IR commands) can be archived on a Windows® compatible personal computer using the Niles IntelliFile® PC Storage and Transfer System.

A Comparison of Home Theater Control Systems

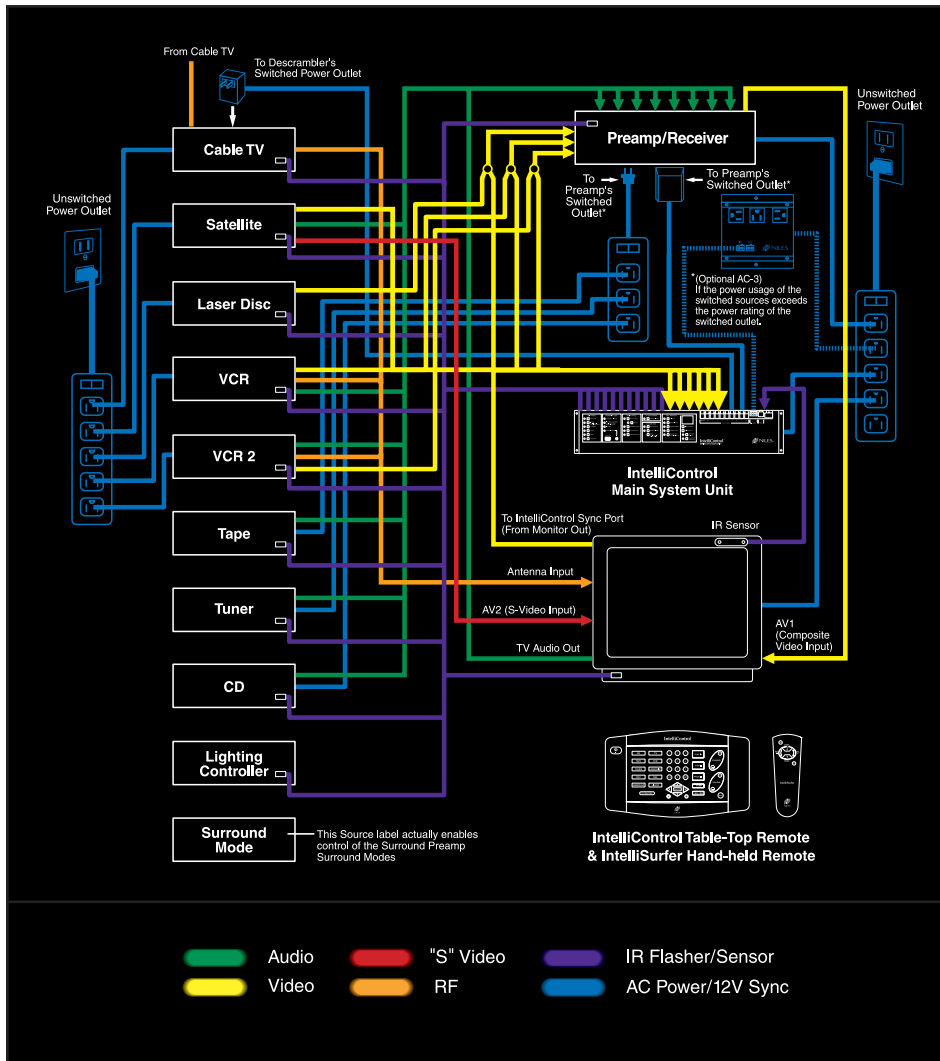
Product Features	Using The Component's Supplied Remotes	Using A Single "Universal" Remote	Using A Learning Remote Capable Of "Macros"	IntelliControl® Home Theater Automation System	Using An Infrared Touchscreen Remote	Using A Modified Boardroom System
One Touch Turn On	NO	NO	SOMETIMES (Since there is no sync, the macro will not always work)	YES	SOMETIMES* (Since there is no sync, the macro will not always work)	YES*
Automation Of Input and Mode Selection	NO	NO	SOMETIMES (Cannot manage "Input" or "Mode" commands)	YES	SOMETIMES (Cannot manage "Input" or "Mode" commands)	YES
Correct Labeling Of Sources	NO	NO	SOMETIMES (Some offer custom labeling of sources)	YES	YES	YES
Easy Operation Of "Hidden" Components	NO	NO	NO	YES	NO	YES
Automatically Resets the Volume	NO	NO	NO	YES	NO	YES
Automates and Manages Mute	NO	NO	NO	YES	NO	YES
Radio Frequency Remote	NO	NO	NO	YES	NO	YES
Cost of System	Included	\$25	\$250	\$1,195**	\$2,495	\$10,000

*Touchscreens require an extra touch to turn on. **Accessories, programming and installation are additional.

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HOME THEATER AUTOMATION SYSTEM

Typical Application



SYNCHRONIZING A HOME THEATER

In this sample system, an IntelliControl manages all of the IR commands for the audio/video sources, a lighting controller, a television and a surround-sound preamp with many different surround-sound modes.

The IntelliControl has been programmed to respond to commands with automation that "makes sense" to the users. For example, if the system is off and the lighting key is pressed, the user may adjust the lights, but the audio/video system does not turn on. If the CD key is pressed, only the components necessary for listening to CDs are turned on and properly set. If the Satellite key is pressed, all of the components necessary to watch the Satellite receiver will be turned on, inputs will be automatically changed on both the TV and the Surround Preamp, the user's favorite Surround Mode selected, and the favorite satellite station entered. The user simply sits back and enjoys!

Specifications



RF Range Up to 100 feet • **RF Transmissions** 100,000 commands minimum • **Backlighting** 60 hours continuously lit • **Batteries** Three "D" size batteries • **Overall Dimensions** 7" wide x 5" high x 4" deep • **Weight** 10 oz. without batteries, 1 lb. 9 oz. with three "D" batteries



IR Bandwidth 20kHz to 150kHz; and 455kHz • **IR Code Memory** 250 IR codes (520 IR Codes with optional memory) • **Sequence Capability** 312 twenty-six step sequences • **Sequence Delays** .5 to 99 seconds • **Contact & Control** Assignable—NO, NC & 12V (up to 100mA); Video Scene—NO, NC & 12V (up to 100mA); Audio Scene—12V (up to 100mA) • **Mounting** wall-mount or rack-mount (19" wide x 3-1/2" high x 3" deep) • **Overall Dimensions** 17" wide x 3-1/2" high x 2" deep • **Weight** 4 lbs. 8 oz.



Niles Audio Corporation 12331 S.W. 130 Street Miami, Florida 33186
Tel: (305) 238-4373 Fax: (305) 238-0185 Customer Service: 1-800-BUY-HIFI (289-4434)
Internet: www.nilesaudio.com

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