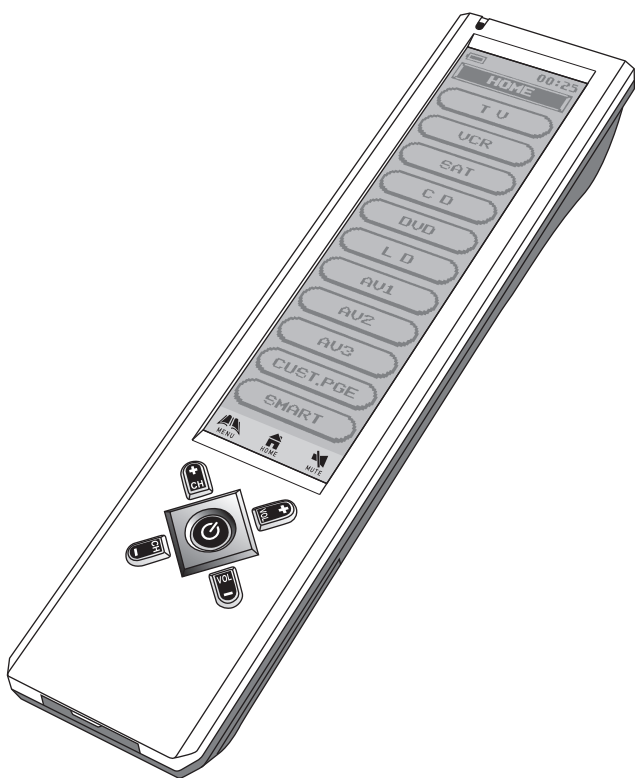


HOME THEATRE MASTER

Universal Touch Screen Remote Control





Owner's Manual



1 Introduction

Congratulations! Your Home Theatre Master Touch Screen remote is a state-of-the-art electronic device which integrates different Infra-red remote controls to deliver instant A/V action to your fingertips. We hope you love this remote and treat it as your Personal Digital Assistant (PDA) for your Home Theatre system.

1.1 Key Features

- Pre-programmed with learning capability
- 10-in-1 remote (replace TV, VCR, SAT, CTV, DVD, LD, CD, AV1, AV2 and AV3)
- Learn up to 240 commands
- Maximum 70 keys per device mode
- EL backlit touch screen panel with intelligent light sensor for power saving
- 5 useful hard keys for direct access (, CH+, CH-, VOL+, VOL-)
- 3 touch screen shortcuts (, , )
- Set up by code entering, device brand name search and library code search
- 10 smart programs, each with 32 steps in maximum
- Device name and function keys editing, moving, deleting and restoring
- Custom page for personal set up and frequently used commands
- Remote-to-remote copy function
- Volume punch through control for TV and AMP
- Interactive help screen
- Security password lock
- Real time clock
- Battery level indicator
- Auto power off
- AC/DC power charger
- Re-chargeable batteries

Optional Features

- Docking charger for quick battery charging
- Computer link (PC link) for special key layout and function via USB connection to PC
- Perform PC software upload and download

Note:

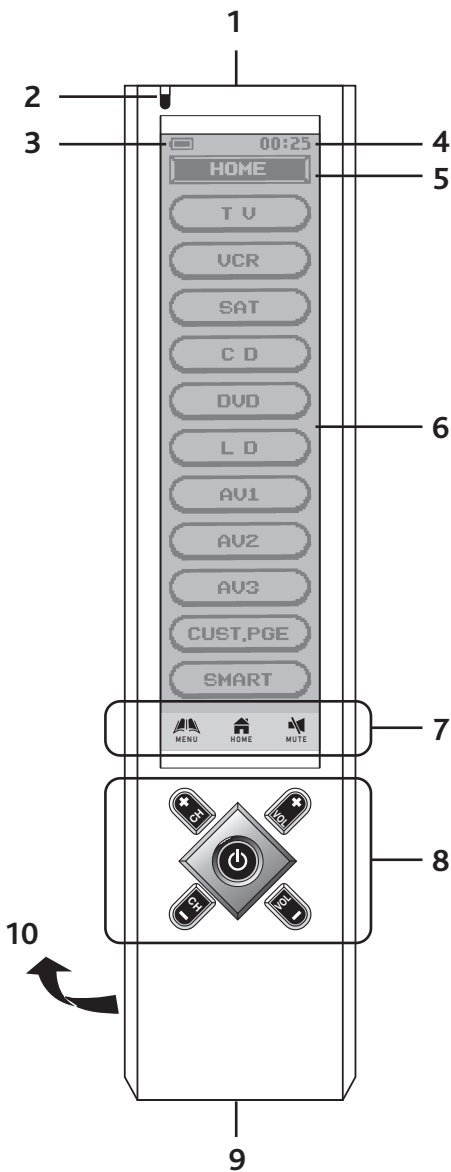
This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, this is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

“Modifications not authorized by the manufacturer may void users authority to operate this device.”

1.2 Getting to know your Home Theatre Master Remote

1. Infra-red lens
2. Green LED indicator
3. Battery level meter
4. Current time
5. Current mode
6. Touch Screen panel
7. Short cut keys
8. Hard keys
9. Connection jack
10. Battery compartment





1.3 Specifications

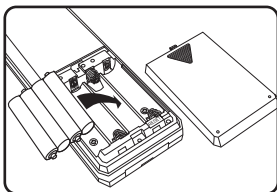
Operation System:	Integrated preprogrammed & learning infrared remote control system
Compatibility:	Preprogrammed with code library of Televisions (TVs), Video Cassette Recorders (VCRs), Satellite/Digital Satellite Receivers (SATs), Cable Converters (CTVs), Laser Disc Players (LDs), Compact Disc Players (CDs), Digital Video Disc Players (DVDs) and Integrated Amplifiers (AMPs)
Memory Capacity:	240 learning commands
Memory Retention after battery disconnection:	Non-volatile and permanent memory
Display Panel:	Monochrome touch screen LCD
Resolution:	320 x 80 pixels
EL Backlighting:	Blue-Green EL backlighting with light sensor
Operating Distance:	8 Metres (25 feet)
Power Requirement:	4 x AAA size NiMH rechargeable batteries
Charging Time:	About 17 hours
Dimensions:	220 x 51 x 25 mm
Weight :	165g (without batteries installed) 215g (with batteries installed)
Included Accessories:	AC/DC power adaptor (DC 9V, 400mA, 3.6VA) x 1 Connector x 1 (for charging purpose) 4 x AAA NiMH size rechargeable batteries
Optional Accessories:	Docking Charger — Quick charger PC Link software for MS Windows 98, 2000 USB Cable

For improvement purposes, specifications and functions are subjected to change without priority notice.

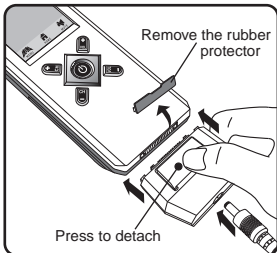
1.4 Battery Installation and Charging

4 pcs AAA NiMH rechargeable batteries, a connector and a power adaptor are included in the package. We recommend to charge the batteries not less than 10 hours for the 1st time usage. When the battery meter “” on top-left corner of LCD screen is empty “”, the batteries are weak. You should recharge the batteries.


To install the batteries, open the battery cover, follow the polarity symbol shown in battery compartment. Place the batteries inside, then replace the cover.








To recharge batteries, put the power adaptor into AC wall outlet, insert the DC jack to the connector, then connect to the socket at the bottom of the remote. It takes about 17 hours maximum to fully charge the batteries.



Note:


1. Battery icon “” is not shown when in **Menu mode**.
2. The unit is designed for optimum operation with original batteries.
3. **DO NOT connect power adaptor and connector when use the non-original batteries.**
4. To avoid data lost, remote setup is prohibited when batteries are weak.

2 Getting Start

- ❑ After insert batteries, it prompts at the main page which show all devices and function for selection. Tap “  HOME ” at any time will jump to this page. If the remote is inactive for about 60 seconds, it goes to power saving (sleep) mode and shut down the display. Simply, touch the screen panel to activate the unit.
Note: *When in power saving (sleep) mode, the hard key section is still available for command.*
- ❑ Tap any of the device icon on the screen to enter the corresponding device mode. LCD shows a remote key platform.
- ❑ Tap a key directly to send out the corresponding infra-red command.
- ❑ Tap “  PAGE  ” at bottom of screen to change command pages.
- ❑ Tap “  HOME ” to return to main page.
- ❑ There will be no label or symbol for an empty key (these keys are available for learning, for details, please refer to **Learning** section of this manual).
- ❑ Tap “  MENU ” to setup the unit.

2.1 Panel Calibration

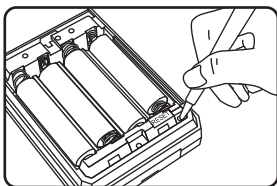
Please follow the below instruction for calibration of the remote touch screen panel. When you have experienced any incorrect response from the touch screen panel, please calibrate the panel.

- Tap “  MENU ” to setup the unit
- Tap “ REMOTE SETTING ”
- Tap “ CALIBRATION ”
- Follow the described procedure from the screen display
- Tap “ BACK ” to go back to the HOME page

Important Note:

Reset —




If your Home Theatre Master is halt by any reason, you can reset the remote by pressing the “ RESET ” key inside the battery compartment, see illustration.



This product may need manually reset under high electrostatic discharge.


2.2 Hot Keys

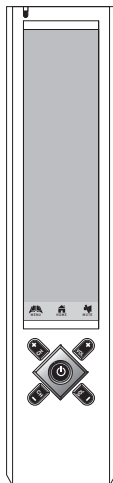
There are 3 hot keys on bottom of LCD display.

-  HOME Jump to main page for device mode selection e.g. TV, VCR, DVD, etc,...
-  MENU Access main setup menu for configuration/setting
-  MUTE Volume mute function

2.3 Hard Keys

There are 5 hard keys, it transmits IR command corresponding to device selected.

-  Power ON/OFF
- CH+ Program up or channel up
- CH- Program down or channel down
- VOL+ Volume up
- VOL- Volume down



2.4 Key Tone

When you tap any key, there is a short beep sound. User can enable/disable this function from main menu setting. (For details, please refer to **Remote Setting** section in this manual.)


2.5 Backlit

There are two separated EL backlights for LCD screen and hard keys, and will be turned ON separately. Backlit will be turned ON for 5 seconds (factory default setting) after a key is pressed, and this function can be disabled by user. (For details, please refer to **Remote Setting** section in this manual.)

2.6 IR Codes Library

To setup a code, tap “ **MENU**” once then select a device to setup, choose a setup method. User can setup by learning key command from an original remote control, entering a code number, browsing through brand name list, or searching through the whole library. Refer to separated Code List for IR code number of different device.



2.7 Configuration/Setting Up the Unit

Tap “ **MENU**”, then choose any one of the following items:

Setup— setup the pre-programmed code or learn key command.

Tap “**Setup**” from the main menu.

Select one of the following setup method.

- **Learning** – learn or copy a key command from an original remote control to Home Theatre Master remote.
 - Tap “**Learning**” from *Setup* menu.
 - Select a device which you would like to carry the command keys. (e.g. **TV**)
 - Tap a key to be learnt from the Home Theatre Master.
 - Aim an original remote to the front of the Home Theatre Master. Press and hold the key of the original remote until Home Theatre Master responds a successful message, it normally takes a short while.
 - Edit the keyname or just tap “**OK**” to confirm.
 - Tap another key to continue learning for the rest of the useful commands.
 - Tap “ **MENU**” to return to main menu, or tap “ **HOME**” to return to main page.

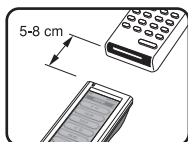
Dual Signal Learning – *If you found a learned command work for your A/V equipment only occasionally, your original remote control may contain dual signals. Please follow the below steps and reprogram those commands.*

- Tap “**Learning**” from *Setup* menu.
- Select a device which you would like to carry the command keys. (e.g. **TV**)
- Tap a key to be learnt from the Home Theatre Master.
- Aim the original remote to the front of the Home Theatre Master. Press and hold the key of the original remote until Home Theatre Master responds a successful message, it normally takes a short while.

- Edit the keyname or just tap “ **OK** ” to confirm.
- Tap the same key on the Home Theatre Master.
- Again aim the original remote to the front of the Home Theatre Master. Press and hold the same key of the original remote until Home Theatre Master responds a successful message.
- Edit the key name or just tap “ **OK** ” to confirm.

Note:

The optimum receiving distance is 5-8cm for remote learning. If you have any reported problem during the learning process, you can slightly adjust the distance of two remotes and try again.



*You can check the remaining memory space for learning additional commands from the **Status** menu. (For details, please refer to **Remote Setting** section in this manual.)*

○ **Brand Name** – setup the pre-programmed code by selecting a brand name.

- Turn on your device you wish to install before start this setup procedure. (e.g. TV)
- Tap “ **Brand Name** ” from *Setup* menu.
- Select a device. (e.g. **TV**)
- A brand name list in alphabetical order will be displayed. Tap “▲” or “▼” to browse the list, or tap a character to access to a brand name. (e.g. “P” for Philips)
- Tap a brand name from the list, it will be highlighted. (e.g. Philips)
- Tap test keys on LCD screen or any of hard key to test the selected code.
- Tap “+” to search next code, or “⏻” command will be sent at the same time.
- Tap “-” to skip previous code.
- Tap “ **Back** ” to cancel and return to previous menu page for selection of other brand name. (Follow the above steps again.)
- Tap “ **OK** ” to confirm and exit the *Setup* menu.

Note:

*If you have reached the end of code, you will be prompted to continuous for Auto-Search or Exit. For details of auto-search setup, please refer to **Auto Search** Setup section in this manual.*

○ **Enter Code** – setup the pre-programmed code by entering code number. (Home Theatre Master is preloaded with numerous of control codes for most popular AV equipment, you can refer to the enclosed code list for your devices.)

- Tap “ **Enter Code** ” from *Setup* menu.
- Select a device. (e.g. **TV**)
- Tap numeric digit to enter code number (check your code from the code list, e.g. 0021).
- Tap “ **Delete** ” to delete the last entered digit (if you have mistyped a number).
- Tap “ **Back** ” to cancel and return to previous menu page.
- Tap “ **OK** ” to confirm the input.
- Tap “ **Test key** ” on LCD screen or any of hard keys to test the corresponding function.
- Tap “ **OK** ” to confirm and exit the setup.

○ **Auto Search** – setup the pre-programmed code by searching through the library.

- Turn on your device before starting this setup procedure. (e.g. TV)
- Tap “ **Auto Search** ” from *Setup* menu.
- Select a device. (e.g. **TV**)
- Tap “ **+** ” once slowly, patiently and repeatedly, until your device is switched off. Then, press “ **OK** ” to lock the code, or you can tap “ **Test key** ” to test the device during the setup.
- Tap “ **-** ” once to skip to code backward at once, if you have missed the last code.
- Tap “ **Back** ” to cancel and return to previous menu page.
- Tap “ **OK** ” to confirm and exit the *Setup* menu.

Note:






1. When a code is set to a device, the learned command and key name of that device will be lost, and restore to pre-programmed command.
2. Some of codes do not have Power command, these codes may not be detected by using **Auto Search**. User is advised to use “ **Test key** ” to test other keys.
3. During auto-searching, user can accessing any of hard key to test the command.

3 *Advanced Set Up*

3.1 *Edit* — rename, move or delete key/device label






Tap “  **MENU** ”, then tap “ **Edit** ” and choose any one of the following items:

3.1.1. *Key Name* – rename key label

- Tap “ **Key Name** ” from *Edit* menu.
- Select a device.
- Select a key to be edited.
- Tap ,  or  for quick access to different group of keys (character, symbol or graphic), and tap “  ” or “  ” to access different page of each group of keys.
- Tap a character/symbol/graphic from the page.
- Tap “ **Delete** ” to erase last entered character/symbol/graphic.
- Tap “ **Back** ” to ignore and return to previous page.
- Tap “ **OK** ” to confirm and exit editing.


Remarks: number of characters input depends on the corresponding key size.

3.1.2. *Device Name* – rename device label


- Tap “ **Device Name** ” from *Edit* menu.
- Select a device.
- Tap ,  or  for quick access to different group of keys (character, symbol or graphic), and tap “  ” or “  ” to access different page of each group of keys.
- Tap a character/symbol/graphic from the page.
- Tap “ **Delete** ” to erase last entered character/symbol/graphic.
- Tap “ **Back** ” to ignore and return to previous page.
- Tap “ **OK** ” to confirm and exit editing.

Remarks: maximum 7 characters can be input.


3.1.3. **Move Key** – move key location (exchange keys position)

- Tap “ **Move Key** ” from *Edit* menu.
- Select a device.
- Select a key to be moved, tap “ **OK** ” to confirm.
- Select a destination, tap “ **OK** ” to confirm. The position of 2 selected keys will then be exchanged.
- Select a key to continue or tap “  **MENU** ” to exit *Move Key* mode and return to main menu.

3.1.4. **Move Device** – move device location

- Tap “ **Move Device** ” from *Edit* menu.
- Select a device to move, tap “ **OK** ” to confirm.
- Select a destination, tap “ **OK** ” to confirm. The position of 2 selected devices will then be exchanged.
- Select a device to continue or tap “  **MENU** ” to exit *Move Device* mode and return to main menu.

3.1.5. **Delete Key** – delete a key

- Tap “ **Delete Key** ” from *Edit* menu.
- Select a device.
- Select a key to be deleted, tap “ **Yes** ” to confirm.
- Select a key to continue or tap “  **MENU** ” to exit *Delete Key* mode and return to main menu.

3.2 Preference

Tap “  **MENU** ”, then tap “ **Preference** ” and choose any one of the following items:



3.2.1. **Punch Through** – setup device punch through for Volume Control, Volume +/- and Mute

- Tap “ **Punch Through** ” from *Preference* menu.
- Select a source device. (e.g. **TV**)
- Select a target device. (e.g. **DVD**)

Note:

For punch through, Vol+, Vol– and Mute will be punched through to the selected device.


3.2.2. **Custom Page** – setup a user custom page

- Tap “ **Custom Page** ” from *Preference* menu.
- Select your keys from different devices for custom page.
- Select a device which a key to be copied to custom page. (e.g. **TV**)
- Select a key command to be copied to custom page. (e.g. “”)
- Tap “ **Yes** ” to confirm the selection.
- Tap to select other key to create new command or tap “  **MENU** ” to exit and return to main menu.



Note:

1. *Custom page is a group of keys that allow user to copy key commands from different devices.*
2. *Access custom page from **HOME** page.*
3. *To view the device attribute of a key, tap the header **Custom Page** once to toggle display device name and key name.*
4. *If a key is deleted or re-named on original device, it is also changed in custom page.*

3.3 Remote Setting

Tap “ MENU”, then tap “**Remote Setting**” and choose any one of the following items:

3.3.1. **Clock** – adjust clock

- **Current Time** – adjust current time
 - Tap “**Clock**” from *Remote Setting* menu.
 - Tap “**Set**” to adjust clock.
 - Enter four digits, first two digits represent hour and second two digits represent minutes. 24-Hr format is used.
 - Tap “**OK**” to confirm and exit the setting.
- **Day of week** – adjust day of week
 - Tap “**Clock**” from *Remote Setting* menu.
 - Tap “**Set**” to adjust date.
 - Tap “” or “” to select day of week.
 - Tap “**OK**” to confirm and exit the setting.

3.3.2. **Beep Sound** – turn beep sound On/Off

- Tap “**Beep Sound**” from *Remote Setting* menu.
- Tap “**Enable**” to turn on beep sound.
- Tap “**Disable**” to turn off beep sound.

3.3.3. **LCD** – setup LCD related function

- **Light Auto Off** – set auto off time of backlit
 - Select back light auto turn off of “**5 Sec**”, “**10 Sec**” or “**15 Sec**”.
- **Backlit Control** – set backlit control method
 - Select an option of back light control method, “**By sensor**”, “**Always On**” or “**Always Off**”.

3.3.4. **Password** – create/enable or disable password

- In order to keep your personal setting of the Home Theatre Master in security, you can activate the password function for remote setting protection.
- Enter password, max. 5 characters.
- Re-enter password for confirmation.
- Tap “**Delete**” to delete last character.
- To disable password, give a blank input (no any character is input) to password field.

Note: Universal password is “AAAAA”.

3.3.5. **Reset Default** – reset user setting to factory default

Warning : Please make sure it is really necessary to perform this function. Your Home Theatre Master will be reset to factory pre-loaded setting and all the learned signals/custom setting will be erased.

- **Clear Learning** – to clear learned command and restore keys to default command
 - One Key** – clear learned command of a single key
 - Tap to select a device.
 - Tap to select a key.
 - Tap “**Yes**” to confirm or tap “**No**” to abort.

One Device – clear learned command of all keys of a device

- Tap to select a device.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

All Devices – clear all learned commands of all devices

- Tap “**All Devices**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **Key Rename** – clear user renamed key label and restore to factory default

One Key – restore user renamed label of a single key

- Tap to select a device.
- Tap to select a key.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

One Device – restore all user renamed key label of a device

- Tap to select a device.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

All Devices – restore all user renamed key label of all devices

- Tap “**All Devices**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **Device Rename** – clear user renamed device label and restore to factory default

One Device – restore a single user renamed device label and restore to factory default

- Tap to select a device.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

All Devices – restore all user renamed device label and restore to factory default

- Tap “**All Devices**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **Move key** – clear and restore user setting about key movement

One Device – clear the setting of key movement of a device and restore to factory default

- Tap to select a device.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

All Devices – clear all settings of key movement of all devices and restore to factory default

- Tap “**All Devices**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **Move Device** – clear the setting of device movement and restore to factory default

- Tap “**Move Device**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **Deleted Key** – restore deleted keys

One Key – restore a single deleted key

- Tap to select a device.
- Tap to select a key.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

One Device – restore all deleted keys of a device

- Tap to select a device.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

All Devices – restore all deleted keys of all devices

- Tap “**All Devices**”.
- Tap “**Yes**” to confirm or tap “**No**” to abort.

- **All to Default** – restore all user settings to factory default
 - Tap “**Yes**” to confirm or tap “**No**” to abort.

Note: 1. All user settings will be lost (except clock and password).
 2. Reset default function do not clear clock setting and password.

3.3.6. **Status** – show information of the unit

- Display software version, code number of each device and other useful information.
- Tap “▲”, “▼” for more information or tap “**Back**” to return to *Remote Setting* menu.

3.4 **Smart** — create a chain of multiple commands

Home Theatre Master comes with 10 editable **SMART** programs each with maximum 32 key steps. With the help of **SMART**, you can program a group of commands and time delay to execute in a chain of IR signals simply by a press of “**SMART**”.

Tap “**MENU**”, then tap “**Smart**” and choose any one of the following items:

3.4.1. **Add new smart** – create a new smart command

- Select an empty smart key.
- Tap “**Add Key**” to select a device and a key to add it into smart list.
- Tap “**Add Delay**” to add a delay time between key commands, maximum delay is 20 seconds.
- Select an item from the command list and tap “**Move Up**” and “**Move Down**” to re-order the sequence of that item, or tap “**Delete**” to remove that item from the list.
- Tap “**Test**” to test the function of *Smart*.
- Tap “**OK**” to confirm.

3.4.2. **Edit smart** – edit an existing smart key

- Select an existing smart.
- Tap “**Add Key**” to select a device and a key to add it into smart list.
- Tap “**Add Delay**” to add a delay time between key commands, maximum delay is 20 seconds.
- Select an item from the command list and tap “**Move Up**” and “**Move Down**” to re-order the sequence of that item, or tap “**Delete**” to remove that item from the list.
- Tap “**Test**” to test the function of *Smart*.
- Tap “**OK**” to confirm.

3.4.3. **Delete smart** – delete a smart key

- Select an existing smart.
- Tap “**OK**” to confirm.
- Tap “**Back**” to abort.


3.4.4. **Rename smart** – to rename label of a smart key

- Select an existing smart.
- Tap a character from the touch screen.
- Tap “**Delete**” to last entered character.
- Tap “**Back**” to ignore and return to previous page.
- Tap “**OK**” to confirm.

Note:

1. When a **smart** is executed, you can press a hard key (e.g. **⏻**, **CH+**, **CH-**, **VOL+**, **VOL-**) to stop the signal transmission.
2. User can set max. 32 steps (including delay) for each smart program.
3. Maximum delay time is 20 seconds.

3.5 Clone — copy user setting to another Home Theatre Master remote

Tap “  **MENU** ”, then tap “ **Clone** ” and choose any one of the following items:

Note : Before you perform this function, please make sure that you have 2 Home Theatre Master remotes. You have to identify which unit is the sender and which one is the receiver. The sender is the unit which contains data that will be transferred to another Home Theatre Master remote (receiver unit). The receiver is the unit which will copy the signals from the sender.

Please keep both sender and receiver units face to face in a distance of 5-8cm during the whole cloning process.

3.5.1. Copy one Device – copy all user settings of a single device from the sender to the receiver unit

- On the receiver unit, tap “ **Receive** ”.
- On the sender unit, tap “ **Copy one Device** ”, then tap to select a device (e.g. **TV**), all user settings in the selected device will be sent out via the IR linking from the sender to the receiver unit.

3.5.2. Copy all Devices – copy all user settings of all devices from the sender to the receiver unit

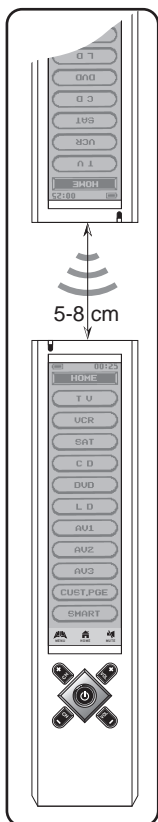
- On the receiver unit, tap “ **Receive** ”.
- On the sender unit, tap “ **Copy all Devices** ”, all user settings will be sent out via the IR linking from the sender to the receiver unit.
- All user settings except “ **Clock** ” and “ **Password** ” will be sent out via IR linking.

3.5.3. Receive – receive data for Clone function (receiver unit has to select this function in order to start cloning)

- Enter to receiving mode, ready for receiving incoming data of copy mode.

Note:

1. Please be noted that all user settings will be overwritten at receiving end by sending remote.
2. Do not interrupt the linking during sending and receiving data.
3. Be sure to keep two remotes within 5cm to 8cm during the copy process for better performance.



3.6 PC Link — connect with computer for download/upload data

Tap “ MENU”, then choose “PC Link”.

PC-to-remote data upload/download function, you have to purchase the Home Theatre Master Docking package. You cannot perform this function without the original docking station.

3.7 Interactive Help Screen

In menu mode, there is a help icon (⓪) on the top right corner of screen. It provides help information for each sub-level of menu.

Important Note:

- Do not drop or apply any shock to the unit.
- If the unit does not work properly, press “**RESET**” key once to restart. (Reset key is locate inside the battery compartment.)
- If password is set, user needs to enter password for accessing main menu. Enter “AAAAA” if you forget the password.

4 Troubleshooting

Q: *My Home Theatre Master is not working!*

A: Please make sure that you have put in the provided rechargeable batteries with correct polarity and you have performed the charging. For detail, please refer to “**1.2 Battery Installation and Charging**” section of this manual.

A: If your Home Theatre Master is halt, please press “RESET” button inside the battery compartment. For details, please refer to “**2.1 Panel Calibration**” section of this manual.

Q: *I have installed a code from the provided code list for my device but the remote is not working or only partly working with my device.*

A: The selected code is not matched with your device, you have to try another code if it is available on the code list. Or you have to go through the “**Auto Search**” to locate another possible code. Or you can simply learn the original remote to your Home Theatre Master by learning up function. For details, please refer to “**2.7 Configuration/Setting Up the Unit**”.

Q: *I have copied my original remote to Home Theatre Master. But I found that some of the commands are occasionally function.*

A: Your original remote may carry dual signal commands. You have to go through the section “**2.7 Configuration/Setting Up the Unit — Dual Signal Learning**” and program again.

Q: *I cannot move a key to another location.*

A: You have to make sure that the selected key type is identical. You cannot exchange key position with different key type. For details, please refer to section “**3.1.3. Move Key**”.

Q: *The backlit of the LCD is not working.*

A: You have to make sure that you have selected either “**By sensor**” or “**Always On**” in the *Remote Setting* menu. For details, please refer to “**3.3 Remote Setting**” section.

Q: *How can I prevent someone to edit/change the setting of my Home Theatre Master?*

A: You can simply activate the "Password" function to lock your remote. For details, please refer to section "3.3.4. Password".

Q: *I have forgot my password.*

A: There is a factory preloaded magic password, "AAAAA".

Q: *How can I restore my Home Theatre Master to factory preloaded setting?*

A: Please check carefully with your manual section "3.3.5. Reset Default".

Q: *What is SMART?*

A: It is an advanced feature of your Home Theatre Master which allows you to program a series of commands with appropriate time delay. By simply a press of the selected "SMART" button, your Home Theatre Master will execute a chain of IR signals automatically. For details, please refer to section "3.4 SMART".

Q: *What is Clone?*

A: It is an advanced feature of your Home Theatre Master which allows data transferred of 2 Home Theatre Master remotes. In order to perform this function, you have to have 2 Home Theatre Master remotes, so that you can transfer the data from the sender to the receiver unit. For details, please refer to section "3.5 Clone".

Q: *What is PC Link?*

A: It is an advanced feature of your Home Theatre Master which allows you to upload and download remote setting data to and from your Personal Computer. You can also perform remote customization such as different key shape or layout editing via the PC software. In order to perform this function, you have to have the Home Theatre Master Docking Station and the corresponding computer software installed in your PC. For details, please refer to the owner's manual of the Home Theatre Master Docking Station.

5 Device Code List

TV Device

Model	Code			
A.R. Systems	1021			
Accent	1021			
Admiral	1001			
Agef	1001			
Aiko	1021			
Aim	1021			
Akai	0331	0841	1021	
Akiba	1021			
Akito	1021			
Akura	1021			
Alba	0431	1021	1041	
Allstar	1021			
Amplivision	1041			
Amstrad	0481	1021		
Anam	0251	1021		
Anam National	1021			
Anitech	1021			
Ansonic	1021	1031	1041	
AOC	0361			
Aristona	1021			
ASA	1001			
Asberg	1021			
Atlantic	1021			
Audiosonic	0711	1021	1041	
Audioton	1041			
Autovox	1001			
AWA	1021			
Bang & Olufsen	0991	1001	1051	
Basic Line	1021			
Bauer	0441			
Baur	0661	1011	1021	
Beko	1021	1041		
Beon	1021			
Best	1041			
Bestar	1021	1041		
Blaupunkt	0911	0921		
Blue Sky	1021			
BPL	1021			
Brinkmann	1021			
Brionvega	1001	1021		
Bruns	1001			
BSR	0841			
Bush	0751	1021		
Candle	0351	0361		
Carad	1021			
Carena	1021			
Cascade	1021			
Casio	1021			
Cathay	1021			
CCE	1021			
Centurion	0411	1021		
Century	1001			
CGE	0841	1041		
Citizen	0351	0361		
Clatronic	0711	1021	1041	
Colortyme	0361			
Concerto	0351			
Condor	1021	1041		
Craig	0251			
Crosley	0841	1001		
Crown	1021	1041		
Curtis Mathes	0161	0361		
Daewoo	0291	0301	0331	1021
Dansai	1021			
Dantax	1041			
Dawa	1021			
Daytron	1021			

Decca	0271	0671	1021				
Deitron	1021						
Desmet	1021						
Diamant	1021						
Digiline	1021						
Dixi	0331	1021					
Drean	1021						
Dual	0891	1021					
Dual-TEC	0901						
Dumont	0841	1001					
Dux	1021						
Dynatron	1021						
Elbe	1021	1031	1041				
Elcit	1001						
ELG	1021						
Elin	1021						
Elite	1021						
Elta	0331						
Emerson	0021	0061	0071	0081	0091	0101	0111
	1001	1021					
Envision	0361						
Erres	1021						
ESC	1021						
Etron	0331	0841	1021				
Euroman	1021	1041					
Europa	1021						
Europhon	0671	1021					
Exquisit	1021						
Family Life	1021						
Ferguson	0711						
Fidelity	0821	1021					
Finlux	0841	1001	1021				
First Line	0841	1021					
Fisher	0171	0841	1001	1041			
Flint	1021						
Formenti	0441	0841	1001				
Fortress	1001						
Fraba	1021	1041					
Friac	1021						
Frontech	0711	0841					
Funai	0711						
Galaxi	1021						
Galaxis	1021	1041					
GBC	0841						
GE	0131	0161	0201				
GEC	0271	0671	1021				
Geloso	0841						
Gemini	0391						
Genexxa	0431	1021					
Goldstar	0031	0121	0351	0411	1021	1041	
Goodmans	1021						
Goodmans/Tashiko	0011	0271					
Gorenje	1041						
Gradiente	1021						
Graetz	1021						
Granada	0671	0841	1021				
Grandin	1021						
Grundig	0671	0871	0951	0961	1021		
Hanseatic	1001	1021	1031	1041			
Hantarex	0671	1021					
Hantor	1021						
Harwood	1021						
Hauppauge	1021						
HCM	1021						
Highline	1021						
Hinari	0841	0861	1021				
Hit	1001						
Hitachi	0181	0351	0841	1021			
Hornophone	1021						
Hypson	1021						
Iberia	1021						
ICE	1021						
Imperial	1021	1041					
Indiana	1021						

Inno Hit	0671	0851	0861	1021				
Innovation	0951	0961						
Interfunk	0841	1001	1011	1021	1041			
Internal	1021							
Intervision	1021	1041						
Irradio	0851	0861	1021					
Isukai	1021							
ITS	1021							
ITT	0751	0841	0931					
ITT Nokia	0751	0841	0931					
ITV	1021							
Jensen	0311							
JVC	0001	0261	0281	0751				
Kaisui	1021							
Karcher	1021	1041						
Kendo	1021	1041						
Kennedy	0841							
Kenwood	0361							
Kneissel	1021	1031	1041					
Kolster	1021							
Konka	1021							
Korpel	1021							
Korting	1001	1041						
Kosmos	1021							
Lecson	1021							
Lenco	1021							
Leyco	1021							
Leyeo	0711							
LG	1021	1041						
Liesenkotter	1021							
Lifesat	0951							
Lifetec	0951	1011	1021					
Loewe	1001	1011	1021	1031	1041			
Loewe Opta	0661	0671	0681					
Logik	0381							
Luma	1021							
Lumatron	1021							
Lux May	1021							
Luxman	0351							
Luxor	0841							
Lyco	0711							
Madison	1021							
Magnadyne	0671	0841	1001					
Magnafon	0671							
Magnasonic	0031							
Magnavox	0341	0391	0401	0411	0421	0581	0601	
	1021							
Manesth	1021							
Manhattan	1021							
Marantz	0221	0351	0361	1021				
Marelli	1001							
Mark	1021							
Matsui	0271	0331	1021					
Maximal	0841							
Mediator	1021							
Medion	0951	0961	1021					
Meletronic	1011	1021						
Memorex	0331	0351	0381	0571				
Mercury	1021							
Metz	0881	1001						
MGA	0361	0561	0571					
Micromaxx	0951	1021						
Minoka	1021							
Mitsubishi	0221	0321	0561	0571	0751	1001	1011	
	1021							
Mivar	0671	1031	1041					
Montgomery	0351							
Morgan's	1021							
MTC	0351	0361	1011	1041				
Multitec	1021							
Multitech	0671	1021	1041					
NAD	0551							
Naiko	1021							
Nakimura	1021							

NEC	0241	0351	0361	1021				
Neckermann	0821	0841	1001	1021	1041			
NEI	1021							
Netsat	1021							
Neufunk	1021							
New Tech	1021							
Nikkai	0271	0431	0861	1021				
Nikko	0031							
Noblex	1021							
Nokia	0751	0841	0931	0941	0971			
Nordmende	1021							
Novatronic	1021							
Oceanic	0841							
Okano	1021	1041						
Opera	1021							
Optimus	0551							
Optonica	0541							
Orbit	1021							
Orion	0841	1021						
Orline	1021							
Osaka	0861							
Osaki	0271	0861	1021					
Osio	1021							
Otto Versand	0751	0841	1011	1021				
Palladium	1001	1021	1041					
Palsonic	1021							
Panama	1021							
Panasonic	0191	0251	1021					
Panavision	1021							
Pathe Cinema	1031							
Penny	0161	0351	0361	0521	0531			
Perdio	1021							
Perfekt	1021							
Philco	0361	0581	0591	0601	1001	1021	1041	
Philips	0401	0651	0691	0701	0721	1001	1021	
Phoenix	1001	1021	1041					
Phonola	1001	1021						
Pilot	1021							
Pioneer	0511	0551	1021	1041				
Pionier	1041							
Plantron	1021							
Prandoni-Prince	0671							
Prandoni-Promce	0671							
Profex	0841							
Profitronic	1021							
Proline	1021							
Prosonic	1021	1041						
Protech	0711	0841	1021					
Proton	0351	0501						
Provision	1021							
Pulser	0351							
Pye	1001	1021						
Quasar	0251							
Quelle	0641	1011	1021					
R-Line	1021							
Radialva	1021							
Radiola	1021							
Radiomarelli	1001	1021						
RadioShack	0541	1021						
Radiotone	1021	1041						
RCA	0051	0141	0151	0181	0411	0491	0531	
Realistic	0541							
Recor	1021							
Rectiligne	1021							
Rediffusion	0841	0931						
Redstar	1021							
Reflex	1021							
Revox	1021	1041						
Rex	0891	0901						
RFT	1001	1031	1041					
Roadstar	1021							
Robotron	1001							
Rodex	1021							
Royal Lux	1041							

Saba	0671	1001					
Saisho	0331						
Salora	0821	0841					
Sambers	0671						
Sampo	0361						
Samsung	0331	0341	0351	0361	0711	0861	1021
	1041						
Sansui	1021						
Sanyo	0171	0231	0271	0751	1021	1031	1041
Save	1021						
SBR	1021						
Schneider	0891	0901	1021				
Sears	0161	0171	0351	0481	0521		
SEG	1021						
SEI	0841	1001	1021				
Seleco	0891	0901					
Sharp	0461	0471	0541	0611	0621		
Siam	1021						
Siarem	0671	0841	1001				
Siemens	0861	0911	0921	1021			
Siera	1021						
Siesta	1041						
Signature	0351	0381					
Silva	1021						
Silver	0711	1021					
Simpson	0581						
Singer	1001	1021					
Sinudyne	0841	1001	1021				
Sky	1021						
Solavox	0861						
Sonitron	1041						
Sonneclair	1021						
Sonoko	0711	1021					
Sontec	1021	1041					
Sony	0371	0451	0631				
Soundwave	1021						
Squareview	0481						
Standard	1021						
Starlite	1021						
Stern	0891	0901					
Strato	1021						
Sunkai	1021						
Sunstar	1021						
Sunwood	1021						
SuperTech	1021						
Supra	0351						
Sylvania	0361	0441	0581	0591	0601		
Symphonic	0481						
Tandberg	0681	0761	0881				
Tandy	0271	0431					
Tatung	0271	0671	1021				
Tcm	0951						
Teac	1011	1021					
Tech Line	1021						
Techwood	0351						
Teknika	0351	0381	0571				
Telecor	1021						
Telefunken	0691	0731	0741	0771	0781	0791	0811
	0981	1021					
Telefusion	1021						
Telegazi	1021						
Telemeister	1021						
Telesonic	1021						
Telestar	1021						
Teletech	0331	1021					
Tempest	1021						
Tennessee	1021						
Tensai	1021						
Tera	0501						
Tevion	1021						
Thomson	0691	0731	0741	0771	0781	0791	1021
Thorn	1011	1021					
Thorn-Ferguson	0711						
TMK	0351						

Tokai	1021							
Toshiba	0351	0521	0751	0801				
Trans Continens	1021							
Transonic	1011	1021						
Triumph	0671	1021						
Uher	1021	1041						
Ultravox	0841	1001	1021					
Unic Line	1021							
United	1021							
Universum	0711	1011	1021	1041				
Univox	1001	1021						
Vector Research	0361							
Vestel	1021							
Vexa	1021							
VideoSystem	1021							
Vidikron	0211							
Vision	1021							
Vortec	1021							
Voxson	1001	1021						
Waltham	1021							
Wards	0361	0381	0451	0541	0581	0591	0601	
Watson	1021							
Watt Radio	0841							
Wega	0841	1001	1021					
Weltblick	1021							
Wharfedale	1021							
White Westinghouse	1021							
Xrypton	1021							
Yamaha	0361							
Yamishi	1021							
Yokan	1021							
Yoko	1021	1041						
Zanussi	0891	0901						
Zenith	0011	0041	0381					

VCR Device

Model	Code							
Aiwa	0612							
Akai	0262	0612	0762	0782				
Alba	0662	0692						
ASA	0622							
Audio Dynamics	0202							
Baird	0612	0692						
Bang & Olufsen	0612	0842	0852					
Baur	0622	0632	0782					
Blaupunkt	0412	0632	0652	0682	0702	0752	0802	
Bush	0692	0782						
Candle	0342							
Capemhart	0662							
CGE	0612	0762						
Citizen	0342							
Craig	0642							
Crown	0662	0692						
Curtis Mathes	0342							
Daewoo	0662	0692						
Daytron	0662							
DBX	0202							
Decca	0612	0622						
Degraaf	0622	0722						
Dual	0612	0742						
Dumont	0622	0722						
Dynatech	0342	0472						
Elin	0642							
Emerson	0072	0122	0132	0142	0152	0162	0172	
	0182	0192	0212	0342	0712			
Ferguson	0612							
Finlandia	0622	0722						
Finlux	0612	0622	0702	0722	0732			
Fisher	0722	0732						
Formenti-Phoenix	0622							
Frontech	0662							
GEC	0622							

Goldstar	0082	0782					
Goodmans	0402	0642	0692				
Graetz	0612						
Granada	0622	0652	0702	0722	0732	0782	
Grundig	0622	0632	0652	0682	0812	0822	0832
Hanseatic	0622	0782					
Hinari	0712						
Hitachi	0102	0562	0572	0582	0592	0602	0612
	0782						
Imperial	0642						
Inno Hit	0622	0642					
Interfunk	0622						
ITT	0612	0642	0722	0732	0762		
ITT Nokia	0612	0642	0722	0732	0762		
Jensen	0612						
JVC	0002	0202	0472	0522	0532	0542	0552
	0612	0762	0772				
Karcher	0622	0642	0782				
Kenwood	0202	0542	0612	0732			
Loewe Opta	0622	0652	0672				
Logik	0642						
Luxor	0732	0782					
LXI	0022	0342					
Magnadyne	0622						
Magnasonic	0732						
Magnavox	0342	0482	0492	0502	0512		
Marantz	0202	0402	0622	0652			
Matsui	0612	0622	0632	0712	0782		
Matsushita	0342						
MEI	0222						
Memorex	0232	0242	0472	0512	0722	0732	
Metz	0632	0652					
Minerva	0632	0652	0682				
Minolta	0592	0602					
Mitsubishi	0452	0462	0542	0622	0632		
Montgomery	0472						
Motorola	0472						
MTC	0642						
Multitech	0622	0632	0692				
N.E.I.	0622						
NAD	0442						
National	0702						
NEC	0202	0292	0422	0432	0542	0612	
Neckermann	0612	0622	0642	0652	0712	0732	0762
	0782						
Nikkai	0642	0662					
Nobliko	0652						
Nokia	0612	0642	0722	0732	0762		
Nordmende	0612	0742	0762	0772			
Olympus	0412	0702					
Optimus	0442	0472					
Optonica	0402	0472					
Orion	0212	0712					
Otto Versand	0622	0632	0782				
Panasonic	0012	0052	0092	0222	0342	0372	0382
	0392	0412	0702	0752	0802		
Penny	0202	0432	0602				
Pentax	0592	0602					
Philips	0282	0342	0402	0492	0622	0652	0672
Phonola	0622	0672					
Pioneer	0442	0542	0622				
Portland	0662						
Pulsar	0512						
Pye	0622	0672					
Quartz	0272	0732					
Quasar	0382	0392					
Quelle	0612	0622	0632	0642	0652	0702	0712
RadioShack	0472						
RCA	0112	0382	0392	0482	0592	0602	
Realistic	0402	0472	0642	0722	0732		
Rex	0612	0772					
Ricoh	0352	0362					
Saba	0612	0742	0762	0772			

Saisho	0212	0582	0712			
Salora	0732	0782				
Samsung	0212	0312	0622	0642		
Sanky	0472	0512				
Sansui	0292	0542	0612			
Sanyo	0242	0722	0732			
SBR	0282	0622	0672			
Schaub Lorenz	0612					
Schneider	0622	0642				
Scott	0342					
Sears	0302	0342	0592	0602		
SEG	0642					
Seleco	0612					
Sentra	0662					
Sharp	0402	0472				
Siemens	0632	0652	0682	0732		
Sinudyne	0622					
Sonitron	0722	0732				
Sonoko	0692					
Sony	0032	0332	0352	0362		
STS	0602					
Sunpak	0352					
Sylvania	0492	0502				
Tandberg	0632	0712				
Tatung	0612	0622				
Teac	0612					
Technics	0702					
Teknika	0322					
Telefunken	0252	0612	0742	0762	0772	0792
Thomson	0612	0742	0762			
Thorn	0612					
Thorn-Ferguson	0612	0762				
TMK	0212	0712				
Toshiba	0062	0302	0342	0612		
Totevision	0642					
Uher	0612	0642				
Unitech	0642					
Vector Research	0202	0432				
Victor	0542	0552	0612			
Video Concepts	0202	0432				
Wards	0322	0402	0472	0482	0602	
Yamaha	0202	0612				
Yoko	0632	0642				
Zenith	0042	0362	0512			

SAT/DSS/CBL Device

Model	Code	
ABC	0253	0373
Akiba	0963	
Alba	0963	
Allsat	0923	
Alpha Star	0773	
Amstrad	1143	
Ansonic	0953	
Antronix	0133	
Archer	0133	0283
Astra	1053	
Autovox	1113	
BBT	0073	
Beko	0963	
British Sky Broadcasting (BSkyB)	1143	
BT	1033	
Cabletime	0163	
Canal Digital	0943	
Canal Satellite	0943	0953
Canal+	0863	
Canalt	0943	
Carena	0963	
Clyde Cablevision	0193	
Colour Voice	0303	0343
Comtronics	0213	0273
Conrad	1063	

Cyrus	0923							
D-Box	1073	1213	1253					
DNT	0923							
Dual	1113							
Eagle Comtronics	0273							
Eastern	0063							
Echostar	0783	0943						
Electricord	0203							
Electus	0263							
Ferguson	1113							
Finlandia	0963	1053						
Finlux	0963							
Flint	0963							
GE	0113	0123						
GEC Cable System	0193							
General Instrument	0793	0803						
Gold Box	0943	0953						
Gooding	1023							
Goodmans	0403	0963						
Granada	1053							
Grundig	0973	0983	1023	1143				
Hamlin	0633	0643	0653	0663	0673			
Hirschmann	1063							
Hisawa	0963							
Hitachi	0753	0963						
HTS	0783							
Hughes Network Systems	0813							
ITT	1053							
ITT Nokia	1163							
Jerrold	0253	0433	0593	0603	0613	0803	0823	
JOK	1033							
JVC	1023							
Kathrein	0923							
Luxor	1053	1063	1073					
Magnavox	0003	0413	0423	0763				
Mamm	0293							
Manhattan	0963							
Marantz	0923							
Maspro	0973	1113						
Matsui	1023							
MediaSat	0943							
Memorex	0003	0383	0763					
Minerva	1023							
Mitsubishi	1053							
Mivar	0953							
Movie Time	0143	0203						
Myryad	0923							
Nokia	0963	1053	1063	1073	1083	1203	1223	
	1233	1243	1263	1273				
Northcoast	0013							
NSC	0143							
OAK	0103							
OAK Sigma	0533	0543						
Ondigital	0933	1013	1093					
Pace	0903	0963	1093	1103	1113	1123	1133	
	1143	1153	1223					
Palladium	1023							
Panasat	1173							
Panasonic	0443	0453	0463	0473	1143			
Panda	0963							
Paragon	0383							
Philips	0003	0033	0213	0303	0313	0323	0333	
	0343	0413	0423	0763	0913	0923	0933	
	0943	0953	0963	0973	0983	0993	1003	
	1013	1023	1033	1043	1223			
Pioneer	0003	0083	0553	0693	0943			
Premiere	0943	0953	1073					
Primestar	0803	0823						
Pulsar	0383							
Promax	0963							
Radiola	0923							
RCA	0833							
RCA Digital Satellite System	0393	0403						

Realistic	0133			
Regency/Eastern	0683			
RFT	0923			
Runco	0383			
Saba	1033	1113		
Sabre	0963			
Sagem	0963	1183		
Salora	1053			
Samsung	0273			
Schneider	0983	1113		
Scientific Atlanta	0363	0563	0573	0583
Sedea	0863	0873	0883	
Signal	0273			
Sky	0893			
SL Marx	0273			
Sony	0843	1143		
Spectavision	0233			
Standard Components	0183			
Starcom V	0253			
Stargate	0273			
Strong	1173			
Sylvania/Texscan	0373	0493		
Tandberg	1193			
Tantec	0963	1113		
Teknika	0173			
Teleservice	0053			
Teleview	0273			
Texscan	0183	0373		
TFC	0023			
Thomson	0943	0963		
Tocom	0223	0353	0503	0513 0523
Toshiba	0383	0853		
Tps	0873	1183		
Tudi	0043			
Universum	1023			
Uniden	0763			
Unika	0133			
Universal	0133	0153	0203	0283
Ventana	0923			
Videoway	0093			
Viewstar	0213			
Wisi	0963			
Xsat	0883			
Zenith	0243	0383	0483	

CD Device

Model	Code			
Acoustic Research	1346			
ADC	0076	0116		
Adcom	0256	0306	1066	
ADS	0316			
Aiwa	0346	0996	1086	1106
Akai	0226	0536	0586	
Alpine	1266	1356		
Audio-Technica	0596			
BSR	0296	0706	0826	
California Audio Lab	0106			
Cambridge Audio	1416			
Capetronic	1256			
Carrera	0296			
Carver	0336	1186		
Casio	0396			
Crown	0236			
Curtis Mathes	0396			
Denon	0326	0926	0936	
Dual	0556			
Dynamic Bass (h)	0606			
Emerson	0256	0376	1156	
Eroica	1326			
Fisher	0146	0606	0976	1056
Garrard	0416			

Genexxa	0356	0376	1156					
Goldstar	1186	1276	1316	1386				
H/K	0156	0226	0516	1046				
Hitachi	0246	0256	0556	0866				
Inkel	0166	0446						
JVC	0366							
Kenwood	0096	0146	0456	0636	0776	0786	0796	
	0806	0946						
Kyocera	0076							
Luxman	0126	0476	0726	0756	0766	1036		
Magnavox	0216	0266	0696	1006				
Marantz	0266	0286	0426	0836	1396			
Mcintosh	0406	1136						
MCS	0956	1366						
Memorex	0256	0276	0286	0356	0376	1156		
MGA	0186							
Mission	0266							
Mitsubishi	0186	0496						
MTC	1306							
NAD	0086	0666	0736	0746				
Nakamichi	0176	0486	0566					
NEC	0306	0956	1016					
Nikko	0596	1056						
Onkyo	0206	0506	0546	0856	1206			
Optimus	0276	0296	0606	0646	0896	0906	0916	
	0946	0986						
Panasonic	0106	0876	1146	1176				
Penny	0956							
Philips	0216	0266						
Pioneer	0356	0986	1096					
Proton	0266	1236						
Quasar	0106							
RCA	0256	0966	1166					
Realistic	0256	0276	0286	0376	0606	0896		
Revox	1226							
Rotel	0006	0016	0026	0036	0046	0266		
Saba Telecommander (e)	0556							
SAE	0266							
Samsung	1336							
Sansui	0226	0676	1026	1076	1156			
Sanyo	0196	0606	0686	0816				
Scott	0376	1156						
Sears	0396							
Sharp	0286	0716	0946	1116	1126			
Sherwood	0166	0286	0446	0526				
Siemens Garrard	1296							
Signature	0226							
Sontec	1216							
Sony	0116	0616	0916	1196				
Staron	1286							
STS	0076							
Sylvania	0266							
Symphonic	0386							
Tandy	0356							
Tangberg	1246							
Teac	0286	0386	0436	0576	0846	0886	1406	
Technics	0106	0656	1146					
Techwood	1376							
Telefunken	0556							
Thomson	0556							
Toshiba	0086	0736						
Vector Research	0116	1186						
Victor	0366							
Wards	0226							
Yamaha	0056	0066	0136	0466	0596	0626	1116	

LD Device

Model

Code

Aiwa
Denon
Disco Vision
Funai

0177
0167
0037
0177

Hitachi	0037		
Kenwood	0107	0127	
Magnavox	0047		
Marantz	0047		
Mitsubishi	0157		
NAD	0157		
Panasonic	0097	0197	
Philips	0047		
Pioneer	0037	0057	0157
RCA	0187		
Realistic	0177		
Rotel	0007	0017	
Sharp	0147		
Sony	0067	0077	0137
Victor	0117		
Yamaha	0027	0087	

DVD Device

Model	Code						
Akai	0068						
Denon	0208						
Finlux	0278						
Goldstar	0278						
Grundig	0288						
Hanseatic	0278						
Harman/Kardon	0318						
Hitachi	0308	0338	0378				
JVC	0098	0188	0288				
Kenwood	0158						
LG	0278						
Linn	0358						
Loewe	0288	0368					
Marantz	0218	0288					
Magnavox	0138						
Micromedia	0288						
Micromega	0288						
Mitsubishi	0148						
NAD	0328						
Onkyo	0078	0138					
Optimus	0228						
Panasonic	0038						
Philips	0108	0138	0218	0288	0368		
Pioneer	0118	0128	0198	0228			
Proscan	0168						
RCA	0168						
Rotel	0008						
Salora	0278						
Samsung	0088	0338					
Sharp	0048						
Sherwood	0238						
Shinco	0258						
Sony	0028	0268	0348	0388			
Sony-PS2	0298						
Teac	0278						
Technics	0038						
Theta Digital	0228						
Thomson	0178						
Toshiba	0058	0138					
Universum	0278						
Xbox	0398						
Yamaha	0018	0138	0148	0158	0168	0178	0288
Zenith	0138	0248	0278				
3Dlab	0288						

AMP/TUNER Device

Model	Code			
Audio Innovations	0085			
Cambridge Audio	0075			
Rotel	0005	0015	0025	0035
Yamaha	0045	0055	0065	