

Introduction

Thank you for choosing the Home Theatre Master Remote Control as your personal assistant for managing your home AV equipment. This Universal Remote Control is pre-programmed with command sets for hundreds of Audio/Video products, plus the powerful learning function to let you copy the functions from your existing remotes into it.

Home Theatre Master can replace up to 8 infrared remote controls such as Televisions (TVs), Video Cassette Recorders (VCRs), Satellite Receivers/Digital Satellite Receivers (DSRs), Cable TV (CTVs), CD players (CDs), DVD players (DVDs) and LD players (LDs), and Amplifiers (AMP).

Thanks to the liquid crystal display (LCD), which shows you the useful information during setup process and operation, and make the operation of the Home Theatre Master simple and intuitive.

You can customize the key displays on the LCD screen, according to your own needs and tastes. This is a piece of personal remote commander that you can ever find in the world.

Please note that your Universal Remote Control itself, is a RF & Infrared Transmission unit. For each press on the function button, both RF & Infrared signal will be sent out. With this facility, you can extend your transmission distance or operate the next room equipment when you have the RF receiver unit (optional) together.

Main Features

- Tabletop/Handheld design with professional AV equipment finishing.
- Replaces up to 8 different Audio/Video equipment's infrared remote controls.
- Pre-programmed with command sets for hundreds of AV equipment.
- Powerful learning function for copying additional and facilitates user convenience.
- Key "Rename" and "Move" function enable you to setup the Home Theatre Master in your own preference.
- 4 individual Macros, each with 10 steps can perform sequence of commands by simply pressing one key.
- EL backlighting over the keys and LCD display for ease of use in dark.
- Remote duplication allows setting to be transferred to the other set of Home Theatre Master without further setup.
- Rechargeable batteries and charger are included, which provide powerful and life operation all day long.

Precautions

- Do not drop this remote.
- Do not expose this remote to moisture or under direct sunlight.
- To clean this remote, only use a soft, lint-free damp cloth. Avoid harsh cleaning solvents.
- Do not disassemble the remote, there is no any servicing parts inside.
- Do not dispose the damaged batteries with the household waste.
- Caution: This product would need reset by manual under strong electrostatic/RF field environment.
- Caution: To avoid risk of fire or hazard, do not recharge non-rechargeable battery. Replace only with the same or equivalent type.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

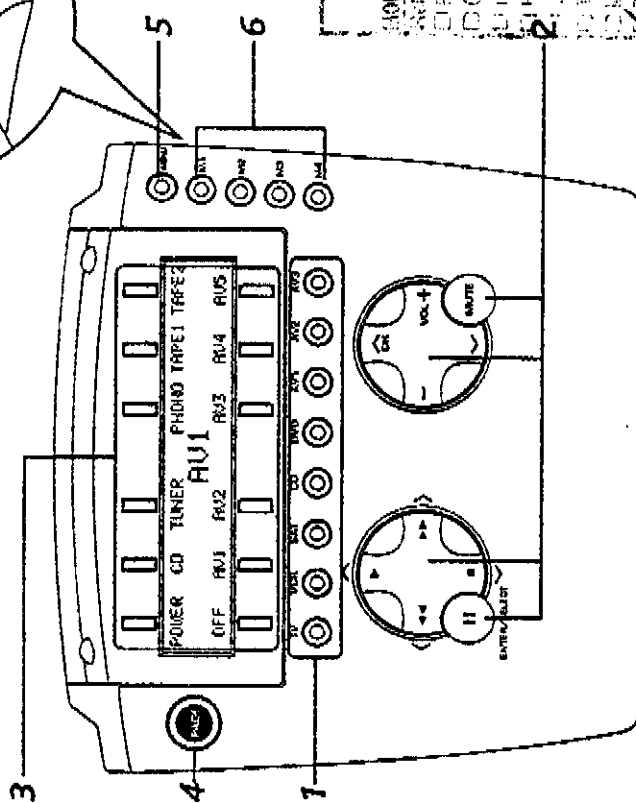
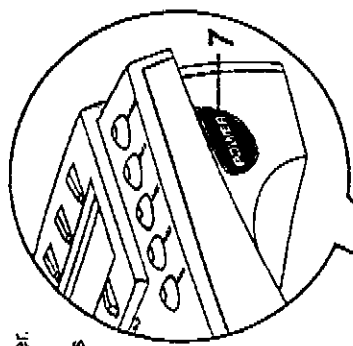
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, 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:

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

Function Keys Description

1. DEVICE MODE keys
 - For selection of the desired equipment to operate.
2. COMMAND keys
 - Primary function keys for frequently use keys of your equipment.
3. LCD COMMAND keys
 - Additional function keys for menu labels shown on the LCD display.
4. PAGE key
 - Changing to next command page on the LCD display.
5. MENU key
 - Getting into menu page for customizing Home Theatre Master.
6. MACRO keys (M1, M2, M3, M4)
 - Each Macro key can send a sequence of up to 10 commands by pressing one key.
7. POWER key
 - Power ON/OFF the AV equipment on your current device mode.



Remote

MODEL SW 6041

Approved for

USE IN THE FOLLOWING

TO DESTROY REMOTE

TO DESTROY ONLY

TO DESTROY ONLY

TO DESTROY ONLY

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2 Getting Start

2.1 Install Batteries and Recharging

Home Theatre Master includes 4 AA rechargeable nickel hydride batteries and a 9V DC adaptor in the package.

Install the Batteries:

1. Remove the battery cover on the back of Home Theatre Master.
2. Observe the polarity of the batteries and the polarity "+/-" marks inside the battery compartment.
3. Insert the batteries accordingly.
4. Push the battery cover back in place.

Remarks:

When the display showing words "LOW BATTERY", which mean the batteries are weak and need to be recharged.

Recharging:

1. Insert the adaptor jack into the connector on the left side of the Home Theatre Master.
2. Plug the power adaptor into an AC wall outlet.
3. A "CHARGING" indicator appears in the display while the adaptor is plugged in.
4. Leave the charger operating overnight for full charge.

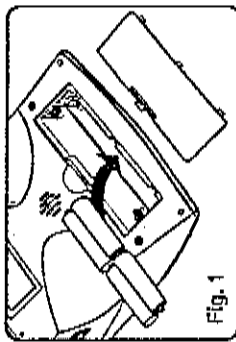


Fig. 1

2.2 Setup the Device modes

Pre-programmed Commands

After you have inserted and recharged the batteries, you need to setup the remote to make it work with your existing AV equipment. This remote is pre-programmed with hundred of command sets for different brand of AV equipment, there are three methods for selecting the command sets that correspond to your current AV equipment: 1) Device Code Entering, 2) Search Code by Brand Name, 3) Auto-Search Programming.

Code Entering is the easiest way to setup the remote as you could directly find out the code list for your equipment at the end of this instruction manual. If your equipment is not listed, you could try either method 2) Search Code by Brand Name or 3) Auto-Search Programming.

1) Device Code Entering

1. Press the **POWER** key to reach the main menu.
2. Choose the "Setup" command on the main menu by pressing the LCD COMMAND key.
3. Press a desired DEVICE MODE key (e.g. TV).
4. If one of the keys from **(AV1)** - **(AV3)** had been selected, you need to further select the type of this equipment.
5. Press "Enter code" by pressing the LCD COMMAND key.
6. Refer to the DEVICE CODE LIST at the end of this instruction manual, look up the 4-digit Device Code which corresponds to the brands of your AV equipment. If there are more than one Device Code listed under your brand, try from the first code.
7. Input the 4-digit Device Code and the entered code will be confirmed on the display if successful.

Turn on the equipment and try the function on remote, if the equipment does not respond or some of the function doesn't work properly, repeat the above steps with the rest available Device Codes until your device responds to your invoked function, and most keys work correctly.

2) Search Code by Brand Name

1. Turn on the desired equipment.
2. Press the **POWER** key to reach the main menu.
3. Choose the "Setup" command on the main menu by pressing the LCD COMMAND key.
4. Press a desired DEVICE MODE key (e.g. TV).
5. If one of the keys from **(AV1)** - **(AV3)** had been selected, you need to further select the type of this equipment.
6. Select the "Brand name" by pressing the LCD COMMAND key.
7. Select the first letter of your equipment's brand name, if necessary, press **(M4)** key for the next page and **(M3)** for the previous page of letters.
8. Select the brand name of your equipment from the display (press **(M4)** or **(M3)** for additional listings).

9. Aim to the equipment and press the **POWER** key on the right side of the Home Theatre Master to test the first available code for your brand, and the 4-digit code being test will be shown on the display.

10. If the first code does not turn off your equipment, keep pressing the **POWER** key to test the second code and so on patiently.

11. Once the equipment had been turned off, press the DEVICE MODE key to lock the code.

12. If all the codes for your brand of equipment had been tested but none of them works, you will be asked to search the entire code library, select "YES" to enter the AUTO-SEARCH MODE (Start from step 7 on the next section) or "NO" to return to the main menu.

3) Auto-Search Programming

1. Turn on the desired equipment.
2. Press the **POWER** key to reach the main menu.
3. Choose the "Setup" command on the main menu by pressing the LCD COMMAND key.
4. Press a desired DEVICE MODE key (e.g. TV).
5. If one of the keys from **(AV1)** - **(AV3)** had been selected, you need to further select the type of this equipment.
6. Select the "Search" by pressing the LCD COMMAND key.
7. Aim to the AV equipment and press the **POWER** key on the right side of the Home Theatre Master to test the first available code for your brand, and the 4-digit code being test will be shown on the display.
8. If the first code does not turn off your equipment, keep pressing the **POWER** key to test the second code and so on patiently. For moving backward to the previous tested code, press **(M4)**.
9. Once the equipment had been turned off, press the DEVICE MODE key to lock the code.
10. If none of the code is workable with your equipment, and prompt message will show on the display to tell that you have already tested all the available codes. Press **(M4)** key to return to the main menu page, and try the "Learning" function to teach the commands from your original remote control to Home Theatre Master.

Learning Commands

The Learning function is designed for the case that none of the pre-programmed command can work for your equipment, or there is a workable command set but some of the function keys are not included or working properly. This remote can store up to 240 individual commands, if the capacity is full, a message "Command full" will be shown on the display.

1. Place Home Theatre Master and your original remote control on a flat surface front to front with 5-8 cm (2-3 inches) distance, as shown on Figure 2.
2. Press the **new** key to reach the main menu.
3. Choose the "Learning" command on the main menu by pressing the LCD COMMAND key.
4. Press a desired DEVICE MODE key (e.g. TV).
5. Select and press the command key when you wish to store for the command, once the command key had been pressed, the LCD will show message "Learning".
6. Press and hold the corresponding command key on your original remote to send the signal to Home Theatre Master.
7. If the Home Theatre Master cannot capture the signal properly, the display will show "Learning Error" and back to the step 5 above. Please reposition the remotes and try again.
8. Once the code is successfully learned, a message "Learning completed" will be shown on the display and you will be asked to edit the name of the learned key. Select "NO" to keep the existing name or "YES" to put the new name of the learned key (using **M3** or **M4** keys to change the page of letters).
9. To learn the next command, repeat from step 5 above. To return to main menu, press the **new** key.

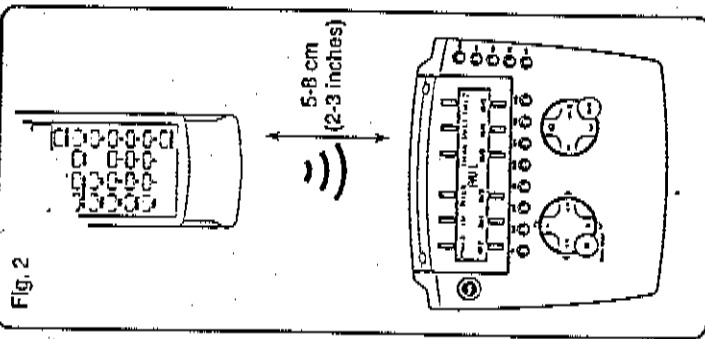


Fig. 2

3 Operating the Home Theatre Master

Once you have set up the Home Theatre Master for your AV equipment, it works like your original remote controls. To send IR signal, just aim it at your AV equipment, press the correct DEVICE MODE key and invoke the desired function by pressing a corresponding key on the Home Theatre Master.

The display will show the command key that you are pressing as confirmation of key touch.

4 Other additional functions on the Menu Option

4.1 Macro Function

The Macro (**M1**, **M2**, **M3** & **M4**) can store a sequence of up to 10 commands, and perform this sequence of functions by pressing one key. To perform a macro function, you need to choose the commands and store into the selected MACRO key first.

Setup the Macro

1. Press the **new** key to get into the main menu.
2. Press the **new** key to access the second page of menu options and press "Macro" from the command keys.
3. Selected and press a MACRO key (**M1**, **M2**, **M3** or **M4**) on the top right hand size of the remote where you want to store the sequence of Macro.
4. Enter the new name of the Macro command (using **M3** or **M4** keys to change the page of letters). After inserted the name, press **new** key to store it.
5. Store the first step in the Macro. Press the desired DEVICE MODE key and COMMAND key, then press **M1** to confirm command.
6. Repeat step 5 above until the entire sequence of Macro has been entered (Maximum 10 steps), then press **new** key to store the Macro sequence.

Operating the Macro:

1. Aim the Home Theatre Master to your AV system.
2. Press the desired MACRO key and Home Theatre Master will send the sequence of stored commands automatically.

4.2 Edit Mode Function

After you press the **new** key, you can see a "Edit" function listed on the LCD command list, this function is for editing the LCD COMMAND key name and arrangement. Once you pressed this command, you will see the following functions:

Key name

This function is for editing/rename the key button.

1. Select "Key name" from the "Edit" page.
2. Press the desired command key that you want to edit/rename.
3. Enter the new name of the command (use **M3** and **M4** to change the page of letters) and press **new** key when finished.
4. Repeat the above step 2 and 3 for editing another key, and press **new** key to return to the main menu when finished.

Remark: You can edit each function key max. up to 5 characters.

Device Name

You can use this command to change the name of the 8 device mode.

1. Select the desired DEVICE MODE key that you want to change the name.
2. Press **(MENU)** key to enter to the main menu and select "Edit".
3. Select "Device name".
4. Enter the new device name (use **(M3)** and **(M4)** to change the page of letters) and press **(MENU)** key when finished.

Remark: You can edit each device mode name up to 7 characters.

Move key

You can use this command to move a LCD COMMAND key to the other location on the LCD display.

1. Select the device that contains the LCD COMMAND key you wish to move.
2. Press **(MENU)** key to enter to the main menu and select "Edit".
3. Select "Move key".
4. Select the desired command key that you wish to move.
5. Select the new location that you want to place the command.
6. The two LCD COMMAND keys exchange locations automatically.

Delete key

You can use this command to delete/remove a key:

1. Select the device that contains the command key you wish to delete/remove.
2. Press **(MENU)** key to enter to the main menu and select "Edit".
3. Select "Delete" key.
4. Press the desired command key that you wish to delete.
5. Select "YES" or "NO" to confirm and delete that command.
6. Repeat the step 4 and 5 to delete another command and press **(MENU)** key when finished.

Auto Arrange

Home Theatre Master will automatically arrange the key position for your device.

1. Select the device that you wish to arrange.
2. Press **(MENU)** key to enter to the main menu and select "Edit".
3. Select "Auto arrange".

4.3 Preference

Punch through

This function will allow you to operate the volume adjustment for TV or Amplifier functions without having to switch the device mode repeatedly even when Home Theatre Master is in other device mode.

1. Press **(MENU)** to reach the main menu.
2. Select "Preference" and press "Punch through".
3. Choose either the "TV" or "AMP" (Amplifier) volume commands to be punched through to another device, if you selected the "AMP" (Amplifier), you will need to select the AV COMMAND set with the desired volume commands.
4. Press a DEVICE MODE key to select the target device where you want the VOLUME commands to be copied. After that, a "Punch Through OK" message will be shown on the LCD display.
5. Press the **(MENU)** key to return to the main menu.

Custom page

With this function, you can make a special device mode that contains the most frequent used commands from different equipment.

1. Press the **(MENU)** key and select "Preference".
2. Select "Custom page".
3. Press the DEVICE MODE key where you wish to locate your own custom page.
4. Enter the name of the custom device page, and press **(MENU)** key to store it.
5. Press a DEVICE MODE key, then select the desired command that you wish to put that command.
6. Select the location in the custom page where you wish to put that command.
7. Repeat the above step 5 and 6 for copying another command into the custom page, and press **(MENU)** key to store it.

4.4 Remote Settings

Beep sound

This function allows you to enable/disable the beep sound whenever you press the key button.

1. Enter the menu page by pressing **(MENU)** key, and press **(PAGE)** to get into the second page of main menu.
2. Select "Remote setting" from the menu page.
3. Select "Beep sound".
4. Select "Sound enable" or "Sound disable" to turn on/off the beep sound.

Backlighting

This function provides you three choices for the backlight setting:

- WITH LIGHT SENSE:**
Home Theatre master will sense the lighting level in the room and turn on the backlighting with any key press when the room is dark.
- ALWAYS ON :** Home Theatre Master will be turned on the backlighting with any key press.
- ALWAYS OFF:** Backlighting is disable.

To configure the backlighting:

- Enter the menu page by pressing **(MENU)** key, and press **(PAGE)** to get into the second page of main menu.
- Select "Remote setting" from the menu page.
- Select "Backlit".
- Select the mentioned backlighting options.

Password (security lock)

In order to protect your setting of Home Theatre Master you made, you can define a password to prevent other person access to the setup menus:

- Press the **(MENU)** key to reach the main menu, then press the **(PAGE)** key to access to the second page of menu options.
- Select "Remote setting".
- Select "Password".
- On the LCD display, select your options:
 - "Create password"
 - "Enable password"
 - "Disable password"

Remarks: the factory default password is "2000". And please write down your new password and store it in a safe place, once you changed the factory default for future reference.

Reset

This function will allow you to return the Home Theatre Master to the factory default setting.

Please note that all the setting including learned commands, labels and configuration will be erased. Make sure that you are really necessary to do so before you use this function.

- Press the **(MENU)** key to reach the main menu, and press the **(PAGE)** key to advance to the second page of menu options.
- Select "Remote setting".
- Select "Reset" from the LCD display.
- Select "YES" or "NO" to confirm and reset the Home Theatre Master.
- Press **(MENU)** key to return to the main menu.

4.5 Duplicate

This Duplicate function allows user to transfer the whole setting including learned commands and custom labels of the Home Theatre Master into the other set of Home Theatre Master.

- Please be reminded that you should know which one of the Home Theatre Master is the sender and which is the copier/receiver unit.
- Place two Home Theatre Masters on a flat surface front to front with 5-8 cm (2-3 inches) distance, as shown on Figure 3.
- Press the **(MENU)** key to reach the main menu.
- Press the **(PAGE)** key to advance to the second page of options.

5. Select ONE OF THE FOLLOWING OPTION:

COPY ONE DEVICE (FOR THE SENDER UNIT)

This function allows you to send the setting for just one device mode from the sender unit to the receiver unit. Please select a desired device that you wish to be copied to the other Home Theatre Master.

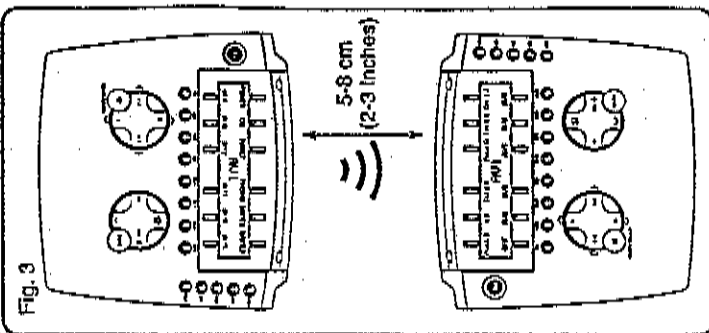
COPY ALL DEVICES (FOR THE SENDER UNIT)

This function allows you to send the setting of all device modes from the sender unit to the receiver unit.

RECEIVE (FOR THE RECEIVER UNIT)

Press this command to receive data.

- If the data had been sent successfully, a message "Finished sending" will show on the display, otherwise, "Sending Error" will show. And repeat the above steps again.



5 FAQ and Answers

- Q :** I've tried all of the codes that correspond the name of my AV equipment but none of them work!
- Q :** I cannot find the brand name of my existing AV equipment on the code list!
- A :** Please try the AUTO-SEARCH Function since some of the code of your AV equipment are be hired under the others' brand name.
- Q :** I've tried the AUTO-SEARCH Function but still cannot work!
- A :** That means the pre-programmed command sets do not include the suitable command set for your AV equipment. Please use the learning function to copy the signal from your original remote control into the Home Theatre Master.
- Q :** I can see a PC link button in the menu page, can I use this function to communicate with my PC?
- A :** PC link function in this version is prohibited.

1. Safety instructions

IMPORTANT

If the Power Commander RR 901 is handled incorrectly there is a risk of injury from electric shock.

The following instructions must be followed, in order to avoid any risk of injury or damage, and the operating instructions must also be adhered to.

- It is never allowed to open the plug-in mains adapter
- Only a properly qualified technician is allowed to check and inspect the system.
- The system is only ever to be operated in dry, indoor rooms.
- Avoid high atmospheric humidity and extreme ambient temperatures
- Should any fault occur in the power supply the system should be taken out of operation at once. Never replace defective parts with anything other than original spare parts.
- If there is any danger of a thunderstorm, it is a good precaution to separate the system from the mains network in order to protect it from lightning. The same applies if the system is to be out of action for any length of time.
- Power must be supplied at the correct rating at all times. This applies in particular to the operating voltage in the system and the mains adapter.
- If there is ever any malfunction, the dealer from whom the system was acquired must be asked to send it back to the manufacturer for inspection.
- Under the environment with high (+/-8kV) electrostatic discharge, the product may not be operated as normal condition, The user may require to reset the unit.

2. General description

Correct and proper use

The Power Commander RR 901 is designed for use in dry, indoor rooms. The power supply is provided by the mains adapter enclosed. Please only ever use this mains adapter. It is not allowed to alter or modify any part of the system.

The safety and installation instructions must be observed. There shall be no guarantee cover against damage resulting from any failure to observe these operating instructions, and no legal liability for any resultant consequential damage.

Main Features

- Tabletop/Handheld design with professional AV equipment finishing.
- Replace up to 8 different Audio/Video equipment's Infrared remote controls.
- Pre-programmed with command sets for hundreds of AV equipment.
- Powerful learning function to copy additional commands from other Infrared remotes.
- LCD display provides useful menu-driven operation and facilitates user convenience.
- Key RENAME and MOVE function enable you to setup the PowerCommander RR901 in your own preference.
- 4 individual Marcos, each with 10 steps can perform sequence of commands by simply pressing one key.
- EL backlighting over the Keys and LCD display for ease of use in dark.
- Remote duplication allows setting to be transferred to the other set of PowerCommander RR901 without further setup.
- Rechargeable batteries and charger includes, which provide powerful and life operation all day long.

Remote	
MODEL Bw601	
Released for	
☐ PRELIMINARY SIGNATURE	☐ QUOTATION ONLY
☐ MOCK UP ONLY	☐ HARD SOFT TOOLING
☐ TOOL DIMENSION	☐ TECHNICAL MANUAL
☐ MANUFACTORY	☐ PRINTING
Prepared by: J. HARRIS JTS (CFO)	
Date: Dec 3, 2001	