



Universal Remote Instruction Manual



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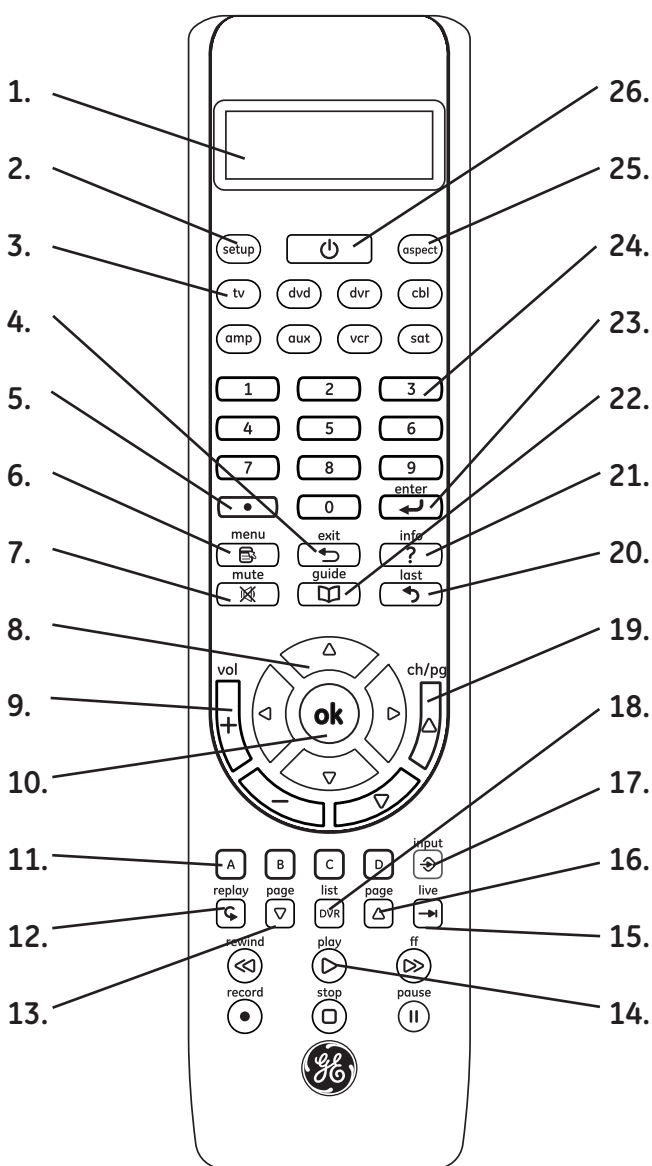
Introduction

Congratulations on your purchase of this 24999 Universal Remote Control. It is one of the most unique looking, and easy to use remote controls available today. Its stylish looking blue backlight, and metallic keypad is like no other remote. With the 24999 juggling multiple remote controls is a thing of the past! Your 24999 Universal Remote controls up to 8 devices, including the most popular brands of TV, VCR, DVD, SAT, CBL, and audio equipment.

Note: Some functions from your original remote may not be controlled by the 24999 remote. Use the original remote, if available, to control such functions. Sometimes buttons other than described in these instructions may actually perform the function. For example, the CHAN and VOL buttons might be used to navigate through menu choices. We recommend you experiment with the remote to identify if such situations pertain to your equipment.

The 24999 Universal Remote is easy to use, easy to program, and it gives you total control—at the touch of your fingertips!

Button Functions



Note: The **REC** button must be pressed TWICE to record from your device. For some brands of VCRs, you might need to press the **REC** button once, then press it again for three seconds.

Some buttons on the remote might have functions that are referred to by different names on the device you are controlling. E.G. **LAST** may be called **RECALL**, or **ENTER** may be called **DISPLAY**. These differences depend on the brand and model of your product. Also, this remote can only operate features that exist on your product. E.G., your product must have **LAST** ability for the **LAST** button to operate this feature.

Button Functions, cont.

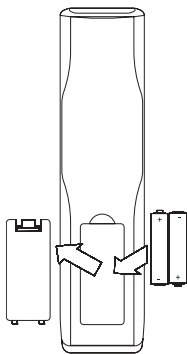
1. **Liquid Crystal Display (LCD):** Helps with setup and displays the Mode the remote is in, and time, etc.
2. **SETUP:** Used for setting up your remote.
3. **TV, DVD, DVR, etc.:** Selects product to be operated.
4. **EXIT:** Exits On-Screen Menus/Returns to previous On-Screen selection.
5. **Dot:** Used for digital channels, e.g. 2.3.
6. **MENU:** Brings up the device Menu screen (if available) - use with **UP, DOWN, LEFT, and RIGHT** navigation buttons.
7. **MUTE:** Turns off the TV sound while the picture remains.
8. **UP, DOWN, LEFT & RIGHT:** Navigation buttons.
9. **VOLUME UP/DOWN:** Changes the volume level of the product, normally the TV.
10. **OK:** Selects menu items for the device you are controlling.
11. **ABCD buttons:** Used to store learned commands.
12. **REPLAY:** On some DVRs, this button replays the last 8 seconds of a program.
13. **PAGE DOWN:** Sets your Favorites ratings, and moves one screen down at a time in guides and menus.
14. **RECORD, PLAY, STOP, REW, FF, PAUSE:** Control buttons that operate your DVD/DVR even when the remote is set to operate the TV. Also operates DVD Scan -/+.
15. **LIVE:** Returns to live TV.
16. **PAGE UP:** Sets your Favorites ratings, and moves one screen up at a time in guides and menus.
17. **INPUT:** For some TVs, press repeatedly to select available viewing sources (antenna, cable box, VCR, DVD, etc.).
18. **DVR List:** Press to display list of recorded shows on your DVR.
19. **CHANNEL UP/DOWN:** Changes the channels. Also controls DVD/CD CHAPTER +/- track selection, i.e., DVD/CD Track Skip Up/Down. Note the **DVR** buttons also control the DVD when in DVD Mode.
20. **LAST:** Returns to the previously selected channel, or DVD repeat toggle.
21. **INFO:** Displays/selects on-screen channel information.
22. **GUIDE:** Displays on-screen program or channel guides.
23. **ENTER:** Used after direct channel number entry to immediately change to the selected channel.
24. **NUMBERS:** Enter numbers for direct channel selection. Some products require Enter to be pressed after channel selection.
25. **ASPECT:** Aspect Ratio Control selects viewing format for the displayed picture, e.g., Wide, Zoom, etc.
26. **POWER:** Turns device on or off.

DVD/DVR Punch-Through Feature

This remote allows the 6 DVD/DVR transport buttons (i.e., PLAY, PAUSE, STOP, FF, REWIND, and REC) to operate the programmed TV, DVD, SAT, DVR, Cable device if the code has these button functions e.g. if you have programmed a SAT/DVR or Cable/DVR, etc. Otherwise the transport keys will punch-through to the last DVD or VCR programmed mode you used, i.e., the transport buttons control your DVD or VCR player even when you are in TV, SAT or Cable mode.

Battery Installation

1. On the back of the remote, push down on the tab and lift the cover off.
2. Match the batteries to the + and - marks inside the battery case, then insert 2 AAA Alkaline batteries.
3. Press the battery cover back into place.



Battery Saver

Your remote automatically turns off if the buttons are depressed more than 30 seconds. This will save your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).

Code Saver

All user programmed settings, except Time, Day, and Date will be stored in permanent memory while you are changing batteries, so you will not lose any codes stored in the remote while you are changing batteries. Time, Day, and Date, will be cleared to the factory defaults when the batteries are replaced.

Power-On Default

The remote powers on in TV mode.

Liquid Crystal Display (LCD)

The LCD lets you see at a glance what mode the remote is in. It also includes a clock that displays the time and day, and a visual indication that the remote is transmitting when you press a button.

Code Setup

The **SETUP** button is used to setup the remote. You can either setup the remote using the code for your brand of product, from the code tables (on separate sheet), or you can search through the library of codes until you find a code that works for your product.

You can store any kind of code under any mode (except TV). I.E. you can store a VCR code under the **CBL** button, or a DVD code under the **VCR** button, etc. However, you can only store TV codes under the **TV** button.

The SETUP button is used for programming the remote and accessing any additional features - e.g. Shifted functions, see below. To enter setup mode, press and hold the **SETUP** button until "CODE SETUP" appears in the display. The "SET" symbol will always be shown when the remote is in Setup. Successive presses of the **SETUP** button shows available Setup options in the order shown below.

1. CODE SETUP – press **OK** here to program a Mode e.g. Code Entry, Search, etc. See Code Setup options below.
2. SYSTEM SETUP – press **OK** here to set Time, Date, Volume Control, etc.
3. TIMER SETUP – press **OK** here to set Timer events.
4. LEARN SETUP – press **OK** here to program a Mode with Learned commands.
5. EXIT SETUP – press **OK** here to Exit Setup routines and return to normal operation.

Press **OK** to select the desired programming step required.

Exit from Setup occurs automatically after approximately 15 seconds if no buttons is pressed. TIME OUT is displayed.

When the remote is busy processing in Setup routines, "Please Wait" is displayed.

Setup Screen Navigation Use the **SETUP**, **OK**, and Up, Down, Left and Right navigation buttons for Setup screen navigation and selection. To exit the Setup routines and return to normal operation, press the **EXIT** button or navigate to the "EXIT SETUP" screen and press **OK**. Completion of some Setup routines will automatically return the remote to normal operation.

Mode button press Display Pressing and holding a Mode button changes to that Mode and displays the active Mode and its code, e.g., DVD and the programmed 4-digit code e.g., 0768. The display returns to normal when you release the button.

SETUP (Shift) Display Pressing and releasing the Setup button displays the active Mode of the remote e.g. DVD, the Date e.g. 3:26 (Month:Day) and indicates "Shift" operation with "(S)". Press and release Exit to return to normal display. To use the **SETUP** button for Shift - Press and release **SETUP** followed by the desired secondary function button.

Code Setup Options: Pressing **OK** at the CODE SETUP screen presents 3 options for programming a Mode with codes. These are LIST CODES (lets you enter a 4 digit code from the on-screen code list), ENTER CODES, (lets you enter a 4 digit code directly from the printed code list) SEARCH CODES, (lets you search through the codes stored in the remote to find the correct one for your device).

Code Entry using On-screen Code List

1. Manually turn on the device to be controlled.
2. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
3. Press and release **OK**. LIST CODES is displayed.
4. Press and release **OK**. MODE KEY? is displayed.
5. Press and release the desired mode button (**TV, VCR, DVD**, etc.). The Mode is displayed along with its currently programmed code.
6. Using the **UP/DOWN** buttons, select the Device type to be programmed (**TV, VCR, DVD**, etc. **Note - For TV Mode, only a TV Device can be selected.**
7. Press and release **OK** to confirm selection.
8. The Code List Brand and Code will now be displayed (e.g. Admiral 0000). Use the **UP/DOWN** buttons to select the Brand and **LEFT/RIGHT** buttons to select the Code. Codes can be tested on your device using **VOLUME, MUTE, CHANNEL, POWER, INPUT, PLAY, STOP, FF, REWIND** and **PAUSE**. Once the correct code has been found, press and release **OK** to install the Code.
9. PLEASE WAIT is briefly displayed, followed by SUCCESS and the remote returns to normal operation.
10. With your device on, press **CHANNEL UP**. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand of device.

Direct Code Entry

1. Manually turn on the device to be controlled.
2. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
3. Press and release **OK**. LIST CODES is displayed.
4. Press the **DOWN** navigation button until ENTER CODES is displayed.
5. Press and release **OK**. MODE KEY? is displayed.
6. Press and release the desired mode button (**TV, VCR, DVD**, etc.). The Mode is displayed along with its currently programmed code.
7. Enter the 4 digit code from the code tables (on separate sheet). After the 4th digit is entered SUCCESS is displayed and the remote returns to normal operation.

If an invalid code is entered, CODE ERROR is shown in the display and the remote returns to normal operation.

8. With your device on, press **CHANNEL UP**. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand of device.

Searching for Codes

If your product does not respond after you have tried all the codes for your brand, or if your brand is not listed, try searching for your code by following these steps.

1. Manually turn on the device (**TV, VCR, DVD**, etc.) to be controlled.
2. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
3. Press and release **OK**. LIST CODES is displayed.
4. Press the down navigation button repeatedly until SEARCH CODES is displayed.
5. Press and release **OK**. MODE KEY is displayed.
6. Press and release the desired mode button (**TV, VCR, DVD**, etc.). DEVICE? TV is displayed.
7. Using the Up/Down keys, select the Device type to be programmed (TV, VCR, DVD, etc. **Note - For TV Mode, only a TV Device can be selected.**)
8. Press and release **OK** to confirm selection. SEARCH KEY? is displayed.
9. Press the **CHANNEL UP** button (or **POWER**, or **PLAY** for VCRs/ DVDs) repeatedly (up to 300 times) until the Device to be controlled changes channel, turns off or responds accordingly. SEARCHING is displayed (along with the Device selection) during the search process. If the desired Code is accidentally passed then press the **CHANNEL DOWN** button to backtrack through the Library. Press **CHANNEL UP** (or **POWER** or **PLAY**) to change direction forward again.
10. Press and release **OK** to install the Code. PLEASE WAIT is briefly displayed, followed by SUCCESS and the remote returns to normal operation.

Notes:

1. If the Device does not have a **CHANNEL UP** button, use **PLAY** (VCR/DVD) or the **POWER** button instead.
2. Code Search starts from the currently stored 4-digit number under that Mode.
3. When all codes have been searched SEARCH END is displayed and remote returns to normal operation.

Code Identification Feature

Press and hold the respective Mode key in normal operation to display the programmed code for that Mode e.g., DVD Code 0768.

Programming Combo Device Codes

Some combo (combination) devices (TV/DVR, TV/DVD, DVD/DVR, etc.) require you to set up 2 different modes to control both parts of the combo. For example, if you have a TV/DVD combo, you might need to set up one code under the TV mode to control the TV and a separate code (under other modes) to control the DVD.

System Setup Options

Pressing **OK** at the SYSTEM SETUP screen accesses the System Setup Options for Volume Punch-Through control Setup, Time Setup, Date Setup, Backlight Setup and System Reset.

Volume/Mute Control and Punch-Through Feature

Your remote allows you to select which device mode controls VOLUME and MUTE. This remote is initially set for all device modes to use their own Volume/Mute control if present. If the programmed code does not have Volume/Mute operation, then VOLUME and MUTE will “punch-through” (hand-over) control to the TV mode device without you needing to change to TV mode. Note: Any mode chosen for Volume/Mute control must have its own Volume/Mute function or else VOLUME and MUTE will not function.

Setting ALL Volume/Mute Control to any one Mode (ALL VOL. SET)

This routine can set all Modes to “punch-through” to any one chosen Mode for Volume/Mute button control without needing to change to that Mode.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press and release **OK**. ALL VOL. SET is displayed.
5. Press and release **OK**. ALL VOL. MODE? is displayed.
6. Press and release desired Mode key (TV, VCR, DVD, etc.) for Volume/Mute control. PLEASE WAIT is briefly displayed, followed by SUCCESS and the remote returns to normal operation.

All Modes will now punch-through to your chosen Mode for Volume/Mute control. If the chosen Mode has no Volume/Mute commands of its own, “Volume Error” is shown in the display and the remote returns to normal operation.

Setting any Mode to use its own Volume/Mute Control (MODE VOL. SET)

This sets any Mode to use only its own Volume/Mute control, i.e. Volume/Mute punch-through is disabled for this Mode. Note - If your chosen Mode has no Volume/Mute functions of its own then the Volume/Mute buttons will do nothing.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press and release **OK**. ALL VOL. SET is displayed.
5. Press the down navigation button until MODE VOL. SET is displayed.
6. Press and release **OK**. MODE VOL. MODE? is displayed.
7. Press and release desired Mode key (TV, VCR, DVD, etc.) to be disabled for Volume/Mute punch-through control. PLEASE WAIT is briefly displayed, followed by SUCCESS and the remote returns to normal operation.

The chosen Mode will now use its own Volume/Mute control.

Resetting Volume/Mute Control to Factory Defaults (VOL/MUTE RESET) This resets Volume/Mute control back to its Factory default settings.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press and release **OK**. ALL VOL. SET is displayed.
5. Press the down navigation button repeatedly until VOL/MUTE RESET is displayed
6. Press and release **OK**. CONFIRM RESET is displayed.
7. Press and release **OK**. PLEASE WAIT is briefly displayed, followed by SUCCESS and the remote returns to normal operation.

Volume/Mute control is now rest to its Factory default settings.

Setting the Time of Day (TIME SETUP) To set the Time of day for normal LCD time display.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press the down navigation button until TIME SETUP is displayed.
5. Press and release **OK**. TIME? is displayed showing current format (12 or 24 hour) flashing and current time.
6. Use the Up/Down navigation buttons to set the format (12Hr or 24Hr) then press and release **OK**.
7. The "hours" will be flashing. Use the Up/Down buttons to set the hours (keep going past 12 to select PM hours) then press and release **OK**.
8. The "minutes" will be flashing. Use the Up/Down buttons to set the minutes then press and release **OK**.
9. SUCCESS is displayed. The remote remains in Setup Mode, returning to the CODE SETUP screen. Press **EXIT** then **OK** to exit Setup Mode. PLEASE WAIT is briefly displayed, then the remote returns to normal operation.

Setting the Date (DATE SETUP) To set the Month, Date and Day.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press the down navigation button repeatedly until DATE SETUP is displayed.
5. Press and release **OK**. YEAR? is displayed with the last 2 year digits flashing.
6. Use the Up/Down buttons to set the Year then press and release **OK**.
7. MONTH? is displayed with the Month digits flashing. Use the Up/Down buttons to set the Month then press and release **OK**.
8. DATE? is displayed with the Date digits flashing. Use the Up/Down buttons to set the Date then press and release **OK**.
9. DAY? is displayed with the Day flashing. Use the Up/Down buttons to set the Day then press and release **OK**.
10. SUCCESS is displayed, and the remote remains in Setup Mode, returning to the CODE SETUP screen. Press **EXIT** then **OK** to exit Setup Mode. PLEASE WAIT is briefly displayed, then the remote returns to normal operation.

Setting the Backlighting On time (BACKLIGHT SETUP) To set the length of time the Backlighting remains on after you stop pressing buttons.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press the down navigation button repeatedly until BACKLIGHT SETUP is displayed. Press and release **OK**.
5. BACKLIGHT TIME? is displayed with the current Backlight On time digits flashing. Use the Up/Down buttons to set the Backlight On time in increments of 5 seconds up to a maximum of 60 seconds. The default Backlight On time is 10 seconds. To turn the Backlighting feature off, set the time to "00" (zero). Press and release **OK**.
6. SUCCESS is displayed and the remote remains in Setup Mode, returning to the CODE SETUP screen. Press **EXIT** then **OK** to exit Setup Mode. PLEASE WAIT is briefly displayed, then the remote returns to normal operation.

Reset the LCD Remote to Factory Defaults (SYSTEM RESET) To reset the remote back to factory default settings. All User programmed settings, e.g. code settings, learned commands, etc., are cleared to their respective default settings.

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button until SYSTEM SETUP is displayed.
3. Press and release **OK**. VOL/MUTE SETUP is displayed.
4. Press the down navigation button repeatedly until SYSTEM RESET is displayed. Press and release **OK**.
5. CONFIRM RESET is displayed. Press and release **OK**.
6. PLEASE WAIT is displayed while all settings are Reset then the remote exits Setup and returns to normal operation.

Timer Setup

Pressing **OK** at **TIMER SETUP** accesses the available Timer Options. These are a TV Sleep Timer and 4 Timers that can send a sequence of up to 3 key commands at the preset time.

Setting and Clearing a TV Sleep Timer (TV Sleep Setup)

The remote can be programmed with a TV Sleep Timer. At the end of the set Timer period, the remote sends the Power command for the TV Mode device. The TV Sleep Timer can be set for a period of 1-90 minutes. The "Zzz" symbol is displayed when a TV Sleep Timer is set.

To set a TV Sleep Timer (no "Zzz" in normal display)

1. Turn on the TV Mode device.
2. Press and hold the **SETUP** button until **CODE SETUP** is displayed (takes about 3 seconds), then release the **SETUP** button.
3. Press the down navigation button repeatedly until **TIMER SETUP** is displayed. Press and release **OK**.
4. **TV SLEEP SETUP** is displayed. Press and release **OK**.
5. **TV SLEEP SET** is displayed. Press and release **OK**.
6. **TV SLEEP TIME?** is displayed with "minutes" flashing. Use the Up/Down buttons to set the minutes then press and release **OK**.
7. **SUCCESS** is displayed. The remote remains in Setup Mode, returning to the **CODE SETUP** screen. Press **EXIT** then **OK** to exit Setup Mode. **PLEASE WAIT** is briefly displayed, then the remote returns to normal operation. Zzz is displayed on the screen to indicate that a Sleep Timer is set.

To clear a TV Sleep Timer ("Zzz" in normal display)

1. Press and hold the **SETUP** button until **CODE SETUP** is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until **TIMER SETUP** is displayed. Press and release **OK**.
3. **TV SLEEP SETUP** is displayed. Press and release **OK**.
4. **TV SLEEP CLEAR** is displayed. Press and release **OK**.
5. **CONFIRM CLEAR** is displayed. Press and release **OK**.
6. **SUCCESS** is displayed and the remote remains in Setup Mode, returning to the **CODE SETUP** screen. Press **EXIT** then **OK** to exit Setup Mode. **PLEASE WAIT** is briefly displayed, then the remote returns to normal operation.

Setting and Clearing Timers (TIMER SETUP)

The remote can be programmed with up to 4 Timers (Timer 1, 2, 3 & 4). Each Timer can be assigned up to 2 keys to activate at the set time. The first key must always be a Mode key. Subsequent keys cannot include Up, Down, Left, Right, OK, Exit, Setup or any Mode key. Timers can only activate within the following 24-hour period. Timers are automatically cleared after activation. The "Timer Bell" symbol is displayed when any Timer is set.

To set a Timer (Note, the Timer must be cleared first if it was previously set – see To Clear a Timer below)

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until TIMER SETUP is displayed.
3. Press and release **OK**. TV SLEEP SETUP is displayed.
4. Press the down navigation button until TIMER X SETUP is displayed (where "X" is 1, 2, 3 or 4). Press and release **OK**.
5. TIMER X SET is displayed. Press and release **OK**.
6. TIMER X TIME?" is displayed with the "hours" flashing. Use the Up/Down buttons to set the hours (keep going past 12 to select PM times) then press and release **OK**.
7. The "minutes" will be flashing. Use the Up/Down buttons to set the minutes then press and release **OK**.
8. TIMER X MODE? is displayed. Press and release the desired Mode key (TV, VCR, DVD, etc.).
9. TIMER X Key1? is displayed. Press and release the key required (e.g. **POWER**).
10. SUCCESS is displayed. The remote remains in Setup Mode, returning to the CODE SETUP screen. Press **EXIT** then **OK** to exit Setup Mode. PLEASE WAIT is briefly displayed, then the remote returns to normal operation. A "Timer Bell" is displayed on the screen to indicate that a timer is set.

To clear a Timer ("Timer Bell" in normal display)

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until TIMER SETUP is displayed.
3. Press and release **OK**. TV SLEEP SETUP is displayed.
4. Press the down navigation button until the desired TIMER X SETUP is displayed (where "X" is 1, 2, 3 or 4) screen. Press and release **OK**.
5. TIMER X CLEAR is displayed. Press and release **OK**.
6. CONFIRM CLEAR is displayed. Press and release **OK**.
7. SUCCESS is displayed. The remote remains in Setup Mode, returning to the CODE SETUP screen. Press **EXIT** then **OK** to exit Setup Mode. PLEASE WAIT is briefly displayed, then the remote returns to normal operation.

Tips On Learning

You can only learn one device type under any one Mode button e.g. only learn TV codes under the **TV** Mode, DVD codes under the **DVD** Mode, etc. If you are trying to learn from a "Universal" remote, it might have more than one code type stored under a Mode. Try learning from another remote to see if there's a problem with the type or brand of remote you are trying to learn from.

- a. **Some functions from some types of remotes might not be able to be learned.**
- b. **No functions may be stored under the SETUP button.**
- c. **Only one original device type can be learned per individual Mode.**
- d. Use fresh batteries for both the Learning Remote and the Original Remote.
- e. Do not attempt to Learn directly under an incandescent or low-energy light as these can cause interference with the IR transmissions. Keep at least 3 feet away from any such light sources.
- f. Perform a Master Clear (see page 22) before learning and try learning 2 or 3 commands initially. Then carry out a Master Clear before completely learning your original remote's commands.
- g. Carry out a "Mode Clear" before learning a Mode to make sure there are no previously learned commands for that Mode.
- h. Place the original remote end-to-end with the Learning Remote so the IR transmitters on both remotes are directly in line with each other. You may need to adjust the height of either remote to achieve this.
- i. Keep the distance between the two remotes to approximately 1 inch and do not move or change the distance between the two remotes until you have learned all the required buttons for that Mode.
- j. Avoid learning your original remote Volume/Mute buttons unless you are sure these operate the same device e.g. some original DVD remotes include TV Volume/Mute button control and can be two different types of code.
- k. Avoid learning your original remote VCR or DVD buttons unless you are sure these operate the same device e.g. some original TV remotes include VCR or DVD button control and can be two different types of code.
- l. Learning a button can take up to 3 seconds. Do not release the button being Learned until SUCCESS or LEARN ERROR has been displayed.

Tips On Learning, cont.

- m. If learning the first or second buttons for a Mode results in continuous errors then try the following:
- End the Learn session by pressing the **EXIT** button.
 - Clear out the learned commands for that Mode.
 - Check the IR transmitters are correctly aligned between the two remotes.
 - Adjust the distance between the two remotes to be closer (e.g. half an inch) or a further away (e.g. 2 inches) from each other.
 - Try learning the original remote for that Mode again.

If problems reoccur with the same button check the original remote button being learned – does it transmit? Does it operate the target device? Try learning that button under a *different clear* Mode. If it learns okay then it is likely to be a different code type from the others and cannot be learned under the same Mode.

Learning Notes

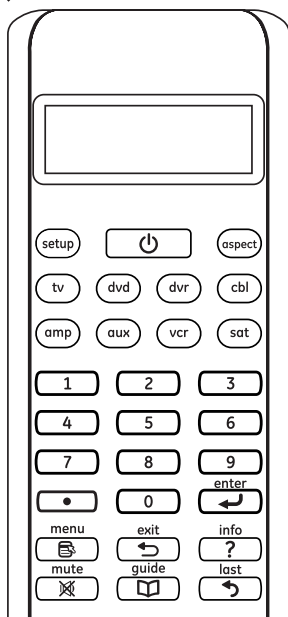
- You cannot learn under the Setup button.
- All learned commands for a Mode are deleted if the same or a new 4-digit code is entered for that Mode by any Code Entry or Code Search.
- The Backlighting is turned off for Learning.

Learning Commands

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until LEARN SETUP is displayed. Press and release **OK**.
3. MODE LEARN is displayed. Press and release **OK**.
4. MODE KEY? is displayed. Press and release the desired Mode button (TV, VCR, DVD, etc.).
5. LEARN KEY? is displayed. Press and release the key on the 24999 remote that you want to be taught a code, e.g. **POWER**.
6. LEARNING is displayed. Pointing the remotes as shown below, press and hold the original remote key (e.g. **POWER**) until the SUCCESS or LEARN ERROR is displayed (see Tips on Learning, page 19) followed by LEARN MORE? (this process can take up to 2 or 3 seconds to complete). Release the original remote button.
7. LEARN MORE? is still displayed. To learn more buttons, press and release **OK** and repeat from step 5. To exit at this point, press and release **EXIT**.
8. PLEASE WAIT is displayed briefly and the remote exits Setup Mode and returns to normal operation.



Line up your remotes (that you're learning from) in front of the Learning remote, on a hard surface approx. 1 inch apart.



Clearing Commands

To Clear all Learned Commands under a mode

Clearing learned commands is helpful if, for example, you replace your CD player with another brand or model. If you had learned a feature from your old CD player's original remote on to this remote (such as RANDOM PLAY), that feature would no longer work for your new CD player. Should you wish to remove or clear one or more "learned" commands, follow the steps below:

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until LEARN SETUP is displayed. Press and release **OK**. MODE LEARN is displayed.
3. Press the down navigation button until MODE CLEAR is displayed. Press and release **OK**.
4. MODE KEY? is displayed. Press and release the desired Mode button (TV, VCR, DVD, etc.).
5. CONFIRM CLEAR is displayed. Press and release **OK**.
6. PLEASE WAIT is briefly displayed followed by SUCCESS and the remote exits Setup Mode and returns to normal operation.

Master Clear - To Clear all Learned Commands under all modes (recommended on first time Learning)

1. Press and hold the **SETUP** button until CODE SETUP is displayed (takes about 3 seconds), then release the **SETUP** button.
2. Press the down navigation button repeatedly until LEARN SETUP is displayed. Press and release **OK**. MODE LEARN is displayed.
3. Press the down navigation button repeatedly until ALL LEARN CLEAR is displayed. Press and release **OK**.
4. CONFIRM CLEAR is displayed. Press and release **OK**.
5. PLEASE WAIT is briefly displayed followed by SUCCESS and the remote exits Setup Mode and returns to normal operation.

Troubleshooting

Remote does not operate your product.

- Press the mode button of the product you want to control.
- Program the remote with a new code.
- Install new batteries. (You might have to reprogram your remote after installing new batteries.)
- Remote may not be compatible with your product.

Remote does not operate some features of your product.

- Program remote with a new code.
- Remote may not be able to operate all features of your product or button names might be different than your product.

Lost Your Codes?

Should you lose your codes or programming instructions, you can find available on our website:

www.jascoproducts.com

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

90 Day Limited Warranty

Jasco Products Company warrants this product to be free from manufacturing defects for a period of ninety days from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this unit. This warranty is in lieu of all other warranties express or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state. If unit should prove defective within the warranty period, return prepaid with dated proof of purchase to:

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10 E. Memorial Road
Oklahoma City, OK 73114-2205



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