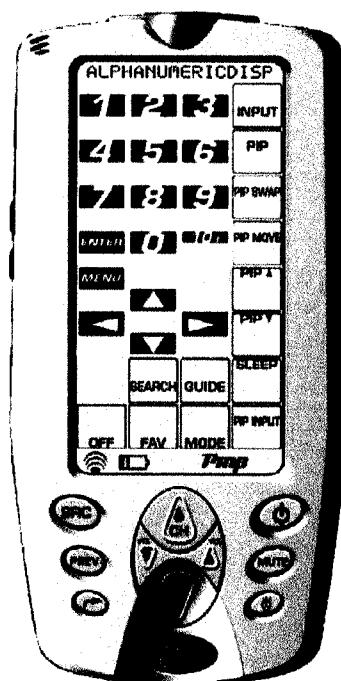




12-IN-1 Universal Remote Control



User's Guide

The Ultimate Entertainment “Communicating” Device

Product Features

- 12-in-1 Touch Screen remote with Backlit LCD Display
 - Can be used with any home entertainment system
 - Favorite Channels
 - Recharging Cradle to recharge batteries
 - Extensive “Library” of remote control codes from world’s leading designer of remote controls
 - Learner feature ensures remote control will never be dated! - Learns buttons from your existing remote control
 - Digital voice memo recorder
 - Sound response with the press of each function button
 - Non-Volatile Memory... never loses set up even with batteries removed
 - Auto search for easy setup
 - Macro buttons allow one touch operation of multiple functions
 - RF Finder makes remote impossible to lose!
-

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INTRODUCTION

The unique 12-in-1 **inVoca™** Universal Touchscreen Remote Control combines permanent “hard buttons” and touchscreen “soft buttons” for the ultimate in remote control convenience and function.

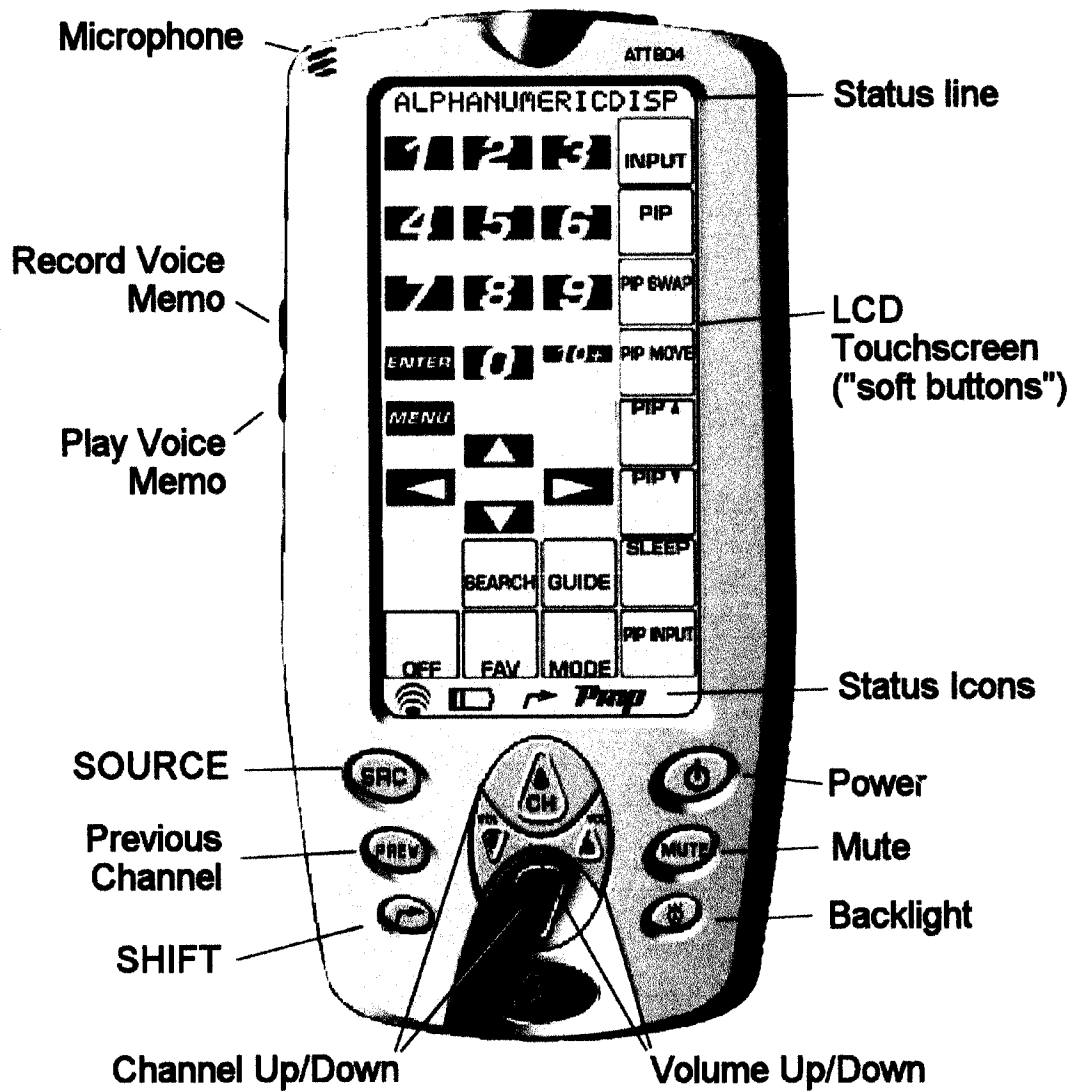
The “soft buttons” change as you select different entertainment devices so that you always see just the right button set for your particular TV, VCR, Cable box, etc. No tedious programming is required... just set the Touchscreen Remote Control up for your particular components and you’re done!









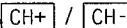





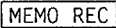
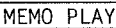
In addition to a comprehensive “library” of nearly 1,000 remote control codes, the Touchscreen Remote Control has the ability to “learn” codes from existing remote controls so that it is never outdated.

Tired of fumbling for a pen and paper when an 800 number comes up in a commercial? The built-in memo recorder allows you to record a voice memo... even in the dark.

Before setting up and using the **inVoca** Touchscreen Remote Control we suggest you take a few minutes to acquaint yourself with its unique design.

BUTTONS & FUNCTIONS



LCD Touchscreen	
LCD Touchscreen Buttons	The touch screen buttons (“soft buttons” will change depending on the operation being performed and the specific device being controlled.
Remote Control Status Icons	
	IR Output. Lit whenever infrared remote control signals are being sent to your entertainment device.
	Low Battery. When this icon is lit, your remote control batteries need recharging.
	Shift. Indicates whether the Shift button is active.
	Priority Press™ is on. See page 8.
Touchscreen Remote Control “Hard Buttons”	
	Used to turn your TV, VCR, etc. on and off.
	Mutes the TV.
	Switches the selected device to the previously tuned channel.
	Turns the LCD backlight on.
	Channel up and down
	Volume up and down
	SOURCE button. Brings the remote control into the default “Select Device” mode.
	SHIFT button. Used to increase the effective number of buttons. See page 11. To access these additional buttons, press the  button. To exit the shift mode, press  again.
Side Buttons	
	Record voice memo. Press and hold to record a voice memo. Note: pressing this button will erase previously recorded memo.
	Play voice memo. Press and release this button to play back recorded voice memo.

SET UP GUIDE

1. Insert and charge batteries

Insert four rechargeable AA batteries (not included) into the battery compartment as shown on page 18, then plug the cord from the power cube into the socket on the back of the charging cradle, plug the power cube into a wall outlet and place the Touchscreen Remote Control on the charging cradle. For best results, prior to initial use, you should charge the batteries overnight.

For further details and battery recommendations see page 18. The charger's LED will light whenever the Touchscreen Remote Control is inserted in the cradle.

IMPORTANT! Use rechargeable batteries only. Use of standard alkaline batteries with the charging cradle may damage the remote control and create a potential fire hazard.

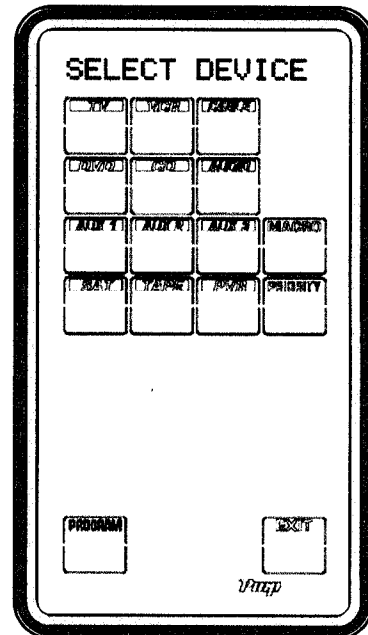
2. Set up Remote Control For Your Entertainment System (TV, VCR etc.)

Universal remote controls need to be set up to operate with the entertainment components you wish to control.

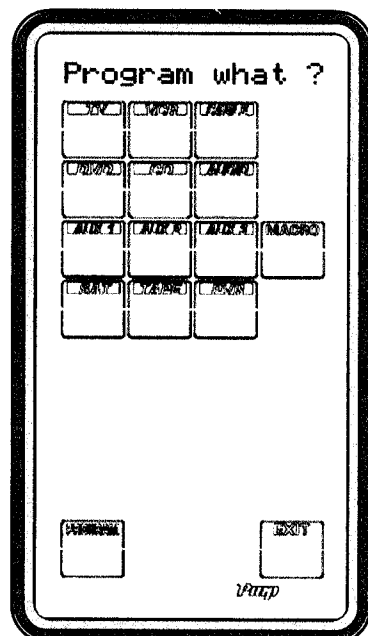
When you first turn on your Touchscreen Remote Control by pressing any "hard button" or the LCD touchscreen, the remote control will be in the default or "Select Device" screen. After that, it will display the last screen you were using.

You may always return to the "Select Device" screen by pressing the **SRC** (SOURCE) button.

To enter the set up mode, press the **PROGRAM** icon located on the bottom left of the LCD screen. This takes you to the first Set Up screen.

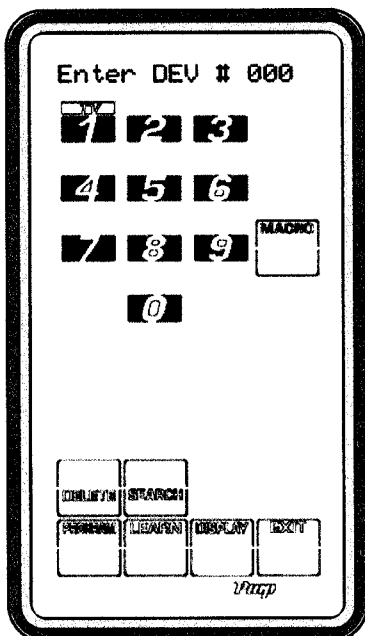


LCD Screen after pressing **SRC** button.




LCD Screen after pressing **PROGRAM** button.

1.	Press the device button for the device you wish to program. The icon for the device will begin flashing.
<div> <div>TV</div>, <div>VCR</div>, <div>CABLE</div>, <div>DVD</div>, <div>CD</div>, <div>AUDIO</div>, <div>AUX1</div>, <div>AUX2</div>, <div>AUX3</div>, <div>SAT</div>, <div>TAPE</div>, or <div>PVR</div> </div>	



Set up screen after selecting a device. The icon for the selected device will blink

2.	Press the PROGRAM button.
3.	<p>Enter the desired one, two or three digit device code from the Code List section beginning at page 19 by tapping the desired soft button. The digits will be displayed as they are entered.</p> <p>If you enter an incorrect digit, press 0 until 000 is displayed again and reenter the number.</p>
4.	<p>After you have entered the desired code, press PROGRAM. You have now programmed the device button. The status line will display,</p> <p style="text-align: center;">DEVICE SAVED</p> <p>for three seconds, then the remote will automatically switch to the device.</p> <p>Test the device code by pressing the power button, .</p> <p>If the entertainment device does not respond to the Power button, try the next code in the list for your system's manufacturer.</p> <p><i>Be sure to test a variety of buttons to ensure they all work. Many devices use similar remote control codes and occasionally some commands will not work properly. If this occurs, try the next code in the list for your system's manufacturer.</i></p>
5.	Repeat steps one through four for each device you wish to program: TV, VCR, Cable box, etc., up to twelve devices.

You are not restricted to using just one TV, VCR etc. A powerful feature of the Touchscreen Remote Control is the ability to program multiple devices of the same type such as two or more TV's, VCR's etc. See *Substitute Devices* (page 13) for details.

When programming the Touchscreen Remote Control for TV/VCR combination units ("Combo's"), you may need to set up the TV and VCR codes separately. If all the functions do not work, first select the appropriate TV code and program the TV selection button, then select the appropriate VCR code and program the VCR button. *On most "combo" units, the power, channel, and tape functions operate when the VCR is selected as the source, and the volume when the TV selected as the source. However, this will vary from unit to unit.*

☞ *The codes in the back of this manual are arranged by type of equipment and manufacturer. You may have*

to try several codes in order to find the correct code. ☞ For an explanation of other set up options, see page 12.

If you enter an invalid device code number the display will read,

DEVICE NOT FOUND

then return to the program menu.

*If you cannot find the correct code, refer to **Auto Search** (page 12) and **Learning Remote Control Codes** (page 13).*

SPECIAL FEATURES

Memo Recorder

With so many talk shows and commercials giving you "800" numbers and web site addresses, trying to memorize the number or fumbling for a pen and paper can be a challenge. The Touch Screen Remote's voice recorder eliminates this challenge by recording a "voice memo" of up to 9 seconds.

To record a voice memo, simply press the **M-REC** button located on the side of the remote. To play back a recorded memo, press the **M-PLAY** button. *Note: Pressing the **M-REC** button will erase any voice memo previously recorded.*

Priority Press™

Priority Press is a new feature that makes using the Touchscreen Remote Control simpler than any other remote control by eliminating the traditional need to push the **TV**, **CBL**, **VCR**, etc. button every time you want to change what you are doing. *Priority Press* puts you in complete control. With *Priority Press*, you decide which entertainment device you wish to use for common functions — which you then perform with just one button press. *Once you have programmed Priority Press, you may never need to press the source buttons again!*


For example, if both your cable box and TV can control volume, you can have the remote control automatically select the TV whenever you press

volume up, volume down or mute, and have the remote control automatically select the cable box to change channels whenever you press channel up, channel down, or any numeric key. (With traditional remote controls you would need to remember to push the TV button to change to the TV mode, then change the volume, then press the cable button to switch back to the cable mode to continue changing the channels.) *Note: Priority Press affects only the hard buttons. Soft buttons are already specific to the device you are controlling.*

Priority Press classifies buttons of each common type together. The classifications are: volume-related buttons, channel related buttons, and power-related buttons. Once you assign any button to a device, all the buttons of that type are automatically assigned. For example, if you assign **C+** to the cable box, **C-**, **PREV**, and the numeric keys are then all assigned to the cable box. Similarly, if you assign **V+** volume up to the television, **V-** and **MUTE** are also assigned to the television.

To set up *Priority Press*:

1. SRC	Brings up device selection screen.
2. PROGRAM	Press the PROGRAM button.

3. TV , VCR , CABLE , DVD , CD , AUDIO , AUX1 , AUX2 , AUX3 , SAT , TAPE , or PVR	Press the device button for the device you wish to program.
4. V+ V- or MUTE (Volume Group) C+ C- , PREV (Channel Group) Power (Power Group)	Now press any button in the desired group. The IR icon will blink three times. Any button in that group will control the selected device. The Priority press icon  will be displayed when Priority Press has been enabled.

For example, to set up *Priority Press* to use the volume commands to specifically control your TV, press:

SRC → **PROGRAM** → **TV** → **V+**

The LCD status line will show:

PriP(VOL)=TV

Once Priority Press is set up, you may temporarily turn Priority Press on or off simply by pressing the **PRIORITY** button on the LCD screen.

RF Finder

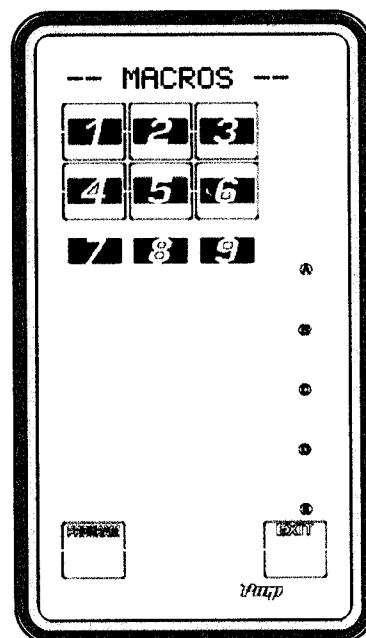
If your Touchscreen Remote Control is misplaced, simply press the finder button on the charger cradle for 4 seconds or more. The remote control will beep, enabling you to locate it, even if it is under a cushion! The remote control will continue beeping for 100 seconds or until you press any button on the remote control. To turn off this feature, see page 17.

Favorite Channel Buttons (Macros)

The Touchscreen Remote Control offers a convenient way to quickly go to your favorite channels. You may assign up to 15 favorite channels (or other “macros”), which are accessed by pressing the **MACRO** button from the “Select Device” screen. (Remember, this is the screen you enter by pressing the **SRC** button.) The 15 macros are labeled 0-9 and a-e.

Macros may be simple two or three button sequences such as **TV** → **0** → **6** to select channel six, or complex “strings” of button sequences as described later.

Buttons with borders around them have macros assigned to them; buttons without borders have not been assigned macros. To select a favorite channel or run a macro, press the desired macro button **twice** (Both button presses within one second to activate macro).



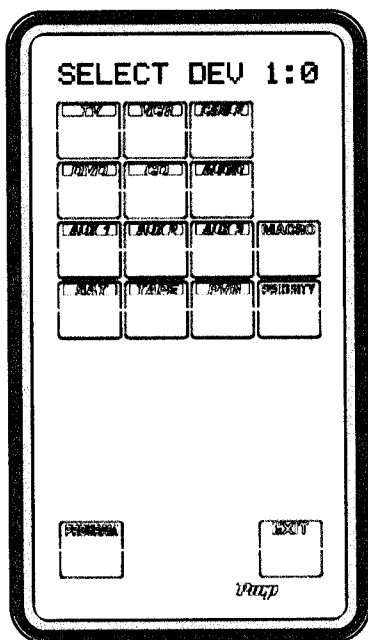
Macro screen. Buttons 1-6 have been assigned macros.

Set Up Macros

To set up a favorite channel button (“record a macro”) enter the Macro set up mode by pressing **MACRO** from the “Program” or “Select Device” screens, then press **PROGRAM**.

Press	Comment
1. [MACRO]	This takes you into the main macro screen.
2. [PROGRAM]	This takes you into the Select a macro screen. From this screen you can select which button you wish to assign a macro. <i>Remember: buttons with borders have already been assigned macros. Pressing one of these buttons will overwrite the previous macro.</i>

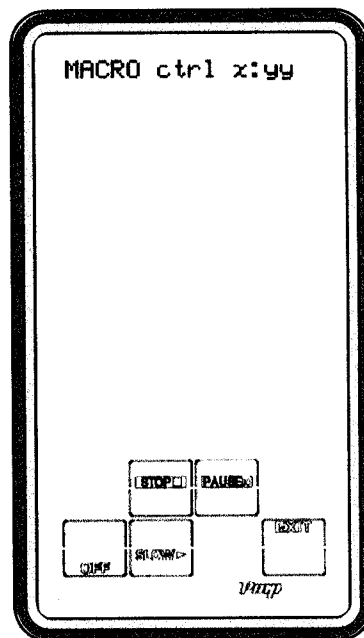
This will take you back into the Select Device screen. However, every button you push will now be recorded. While in the Record Macro mode you will notice two numbers in the top right corner of the screen, separated by a colon. The first number is the number of the macro (macro 1, macro 2 etc.). The second number is the number of buttons you have pressed while recording the macro. You may record up to 64 button presses per macro.



First screen when recording a macro.

however, you will see the numbers on the top right increase as you record each button press.

To end the macro press the [SRC] button followed by the [MACRO] button. This will take you to the End Macro screen.



End Macro screen.

You will note that you have several options at this point. They are:

Button	Function
[STOP]	Ends macro and saves.
[PAUSE]	End of Multi-String Sequence string. See below.
[OFF]	Abandons macro without saving.
[SLOW]	½ second delay. Allows you to build in a delay during a macro.
[EXIT]	Go back one screen

Multi-String Sequence

You can get even fancier and have a single button cycle through a sequence of favorite channels. (This makes watching three bowl games at the same time a snap). This is called a multi-string sequence.

Now press buttons as if you were operating the TV etc. normally. The screens will appear as they normally do;

Following is an example of creating a multi-string button sequence to have macro button **1** cycle through favorite channels 2, 4, and 12 using the cable box:


Press	Comment
MACRO	
PROGRAM	Enter Macro Set up
CABLE	start sequence
0	
2	
SRC	
MACRO	
PAUSE	end of first string
SRC	begin second string
CABLE	
0	
4	
SRC	
MACRO	
PAUSE	end of second string
SRC	begin third string
CABLE	
1	
2	
SRC	
MACRO	
STOP	end macro and save



Clearing Macros

To clear (erase) an existing macro without replacing it, press:

MACRO → PROGRAM →
the desired macro number →
SRC → OFF

Shift Button

The SHIFT button  provides a means of doubling the number of available buttons without cluttering the touchscreen.

To see if your entertainment device has any additional buttons that may be accessed via SHIFT, press the  button. To exit the shift mode, press  again.

To maximize your convenience, the Touchscreen Remote Control remembers when you have entered the shift mode for a particular device. That is, if you have entered the shift mode for a particular device, such as a stereo receiver, then switch to another device, such as a TV, the TV will not be in the shifted mode. However, when you return to the receiver, it will still be in the shifted state until you press the SHIFT button again.

You may “learn” new buttons to either normal (unshifted) or shifted buttons.

If the touch-pad has an unshifted function only (shows the same icon whether shifted or not) and you learn it on the unshifted function, it will replace it. If you learn a new code in the shifted state, the original unshifted code will still be available and you will have access to both the original and the learned code depending on the shift state. Remember: you cannot learn two codes on the same button. Attempting to do so will overwrite the first one.

Channel Scan

Channel Scan gives you *hands free* channel surfing. Once you have pressed the **SCAN** button, the Touchscreen Remote Control will send out a **CH+** (Channel Up) or **CH-** (Channel Down) command every few seconds until you issue another command or press any button other than **CH+** or **CH-**.

If the **SCAN** icon is not visible for your TV etc., it will usually be visible after pressing SHIFT (see Shift Button, page 11.)

The scan will be up if the last channel button you pressed was **CH+**, or down if the last channel button you pressed was **CH-**. The normal speed of the scan

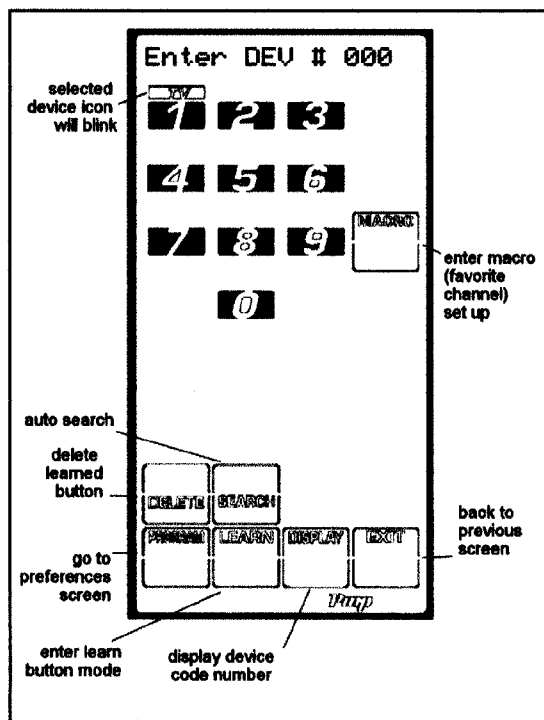
(that is, how long the TV will pause at each station) is four seconds. You can press **CH+** or **CH-** during the scan to switch directions.

The IR icon will blink every time the remote sends an IR signal and the **SCAN** icon blinks while the remote control is scanning.

ADVANCED SET UP

The Touchscreen Remote Control offers a number of advanced set up options. These are selected via the set up screen, reached by

1. Pressing **SRC**
2. Selecting a device
3. Pressing **PROGRAM**.



Advanced Set-up Screen

Search For Device Code

In the event that you cannot located the device control code for your entertainment device, you may have the Touchscreen Remote Control search for it.

The Touchscreen Remote Control offers an "**Auto Search**" mode to help you find the correct code for your entertainment device. When searching for a code

using **Auto Search** you must first select the appropriate device type.

The **TV** device button will search through TVs and TV/VCR combos.

The **VCR** device button will search through VCRs, TV/VCR combos, and PVRs.

The **CBL** device button will search through cable boxes.

The **SAT** device button will search through satellite/DSS receivers.

The **DVD** device button will search through DVDs.

The **CD** device button will search through CDs and tape cassettes.




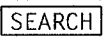

The **Audio** device button will search through audio devices

The **AUX** device button will search through all remaining codes.

Auto Search for Your Device Code:

It is recommended that this feature be used only when all other methods have failed, as it may take from 7 to 18 minutes for the remote to locate the correct code, depending on the device list that you are searching. Note: Auto search will start searching from the currently programmed device code then cycle through all the codes back to that point.

1	Power On	Manually turn on the device that you want to auto search (TV, VCR, etc)
2	SRC	Press the Source button.
3	PROGRAM	Press the PROGRAM button once.

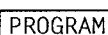
4	 ,  ,  , etc.	Press the device key for the device type for which you are searching. For example, to search for a TV code, press TV once. (The selected icon will blink, then you will be taken to the set up screen).
5		Make sure that the remote is aimed directly at the device you want to control.
6		Press the  button on the LCD screen.

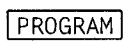
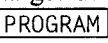
The remote control will now search through the library for the target device code in 2-second intervals. Every 2 seconds the remote will prompt you by flashing the IR icon, and the remote will test the new code by attempting to turn the device power off.

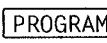
The top line of the LCD display will show

TV Search xxx

where xxx is the device code number as the remote control Auto Searches. (The remote control will skip device code numbers not associated with the particular device type.)

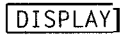
When the target device turns off, immediately press  to save the device code in memory.

7		When the target device turns off press the  key and the code will be stored in memory. The remote control will display Device Saved for three seconds.
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
After you have pressed , check the other buttons (such as CH+ and VOL+) to be sure they all work with the target device. If they do not, repeat steps 1 through 6. When the auto search is re-started the search for the target device will begin where it was last stopped.

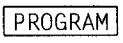

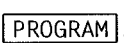

To stop the "Auto Search" press any key except the Auto Search key.

Display Device Code

The Touchscreen Remote Control can display the codes you selected for TV, VCR, cable box, DVD and DSS receiver, so that you can write them down for future reference. For example, you may wish to record the device code after you have performed a search. You may display the device code for a specific device by pressing  from the advanced set up screen.

Substitute Devices

The Touchscreen Remote Control does not limit you to just one of any type of entertainment product. You can program two or more TVs, VCRs, etc. by "substituting devices." Each of the twelve device buttons can be programmed to control any component of your entertainment system. For example, if you would like the remote control to control a second TV, selected by the  device button:

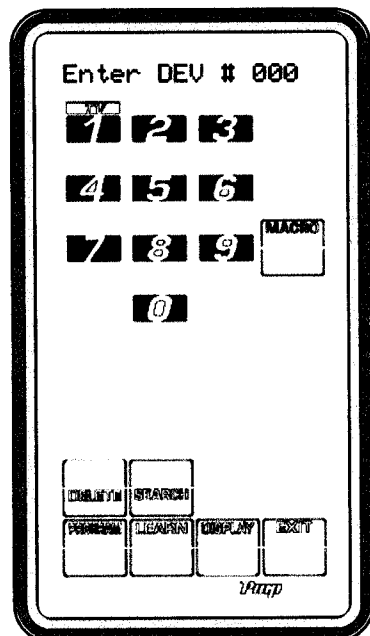
1. Press  and then .
2. Enter the desired one, two, or three digit TV device code from the Code List section beginning at page 19 by tapping the desired soft button. The digits will be displayed as they are entered.
3. Press . Now the  button will control your second TV. This works with all device buttons, so it is possible to program up to twelve of any component, such as twelve TV's, VCR's, etc. The status line will help you keep track of substituted devices. For example, if you have programmed a TV onto the AUX1 button, the status line will show

AUX1(TV)

Learning Remote Control Codes

When the Touchscreen Remote Control does not have the proper device code for your entertainment device you may "learn" the codes from the existing remote control. Similarly, if the Touchscreen Remote Control does control your device, but the original has additional functions not available on the remote control, you may use the Learning feature to add these keys.

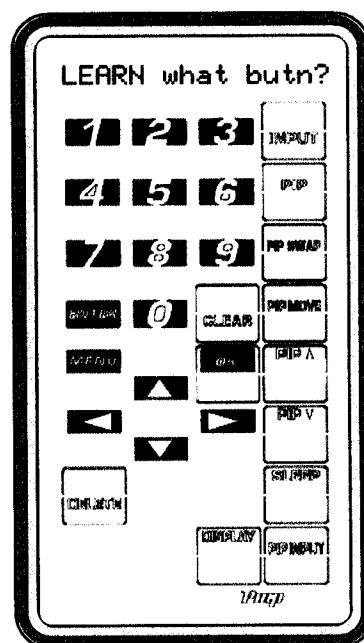
1. Press the **SRC** button to enter the Source screen, then press **PROGRAM** to enter the "Program What" screen.
2. Press the device button (**TV** **VCR** **SAT** etc.) for which you wish to store the learned codes. This will take you to the Setup screen.



Set up screen after selecting a device. The icon for the selected device will flash.

3. Make sure you press the proper device button before you proceed to the next step, so that you do not overwrite existing codes that you wish to retain.

Press the **LEARN** button. The Learn screen will appear.



Typical Learn Button screen.

The screen displayed will be the screen for your specific device. The buttons may vary from the illustration.

4. Now press the button that you wish to store the learned data on. You may "learn" either "hard" buttons such as volume and channel or "soft" buttons on the LCD. If you have selected a "soft" button, the icon for that button will begin to blink. If you then press and hold the button, it will scroll through the available icons for it. It may be difficult to see the button while your finger is on it. For this reason the remote control allows you to release the button for up to three seconds to ensure you have selected the icon you wish. You may press the button within three seconds to resume the scroll. Three seconds after releasing the button, the icon will be set.

You may also learn new buttons which are not displayed. Following are all the choices for all the buttons.



View of LCD screen showing all available icons

Note: Some original equipment remote controls have multiple infrared emitters. It is important to have a direct line between the infrared emitter on the original remote and the sensor on the top of the Touchscreen Remote Control.

Erasing Learned Buttons

Learned functions are associated with the selected source (TV, VCR etc.) and button. To erase a learned button (return it to the original state),

1. Press the **SRC** button to enter the Source screen, then press **PROGRAM** to enter the "Program What" screen.
2. Press the device button (**TV** **VCR** **SAT** etc.) for which you wish to store the learned codes. This will take you to the Setup screen.

5. The LCD status line will display the text,

WAITING FOR DATA

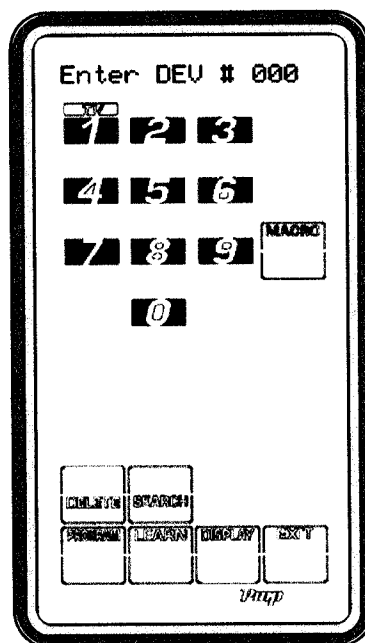
Point the old remote at the front of the Touchscreen Remote Control and press the desired button. In general best results are obtained when the remote controls are 1" – 3" apart. When the code is successfully learned, the message will read,

LEARN SUCCESSFUL

Repeat steps 4-5 to learn additional buttons for the current source.

After learning a button, you will return to the Learn Button screen again so that you can conveniently learn additional buttons. To exit the Learn Button mode, press **SRC**.

You may "learn" new buttons to either shifted or unshifted buttons. See page 11.



Set up screen after selecting a device. The icon for the selected device will flash.

Make sure you press the proper device button before you proceed, so that you do not erase a code that you wish to keep.

3. Press the **DELETE** button. The remote control will now display all the available buttons for the selected device. The status line will read:
DEL WHAT BUTTON?

4. Press the button you wish to delete (i.e. reset to the original state). The remote control status line will read,

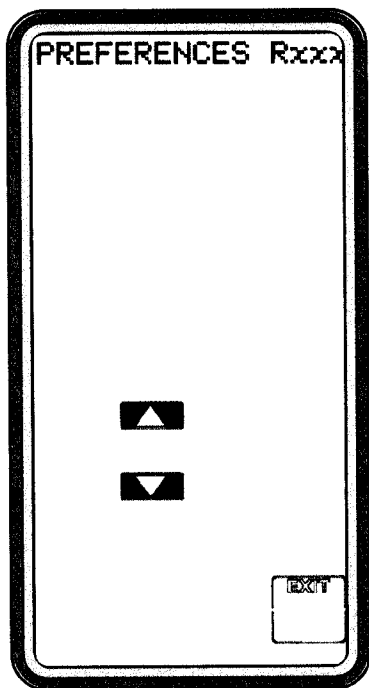
ERASE SUCCESSFUL

You may erase all the learned buttons for a device by setting up the device button as shown on page 6.

SETTING PREFERENCES

You enter the Preferences Screen by pressing **SRC** followed by **PROGRAM** and then pressing **PROGRAM** again. Once in the Preferences Screen you press the **▲** and **▼** buttons. The item you are selecting will appear on the status line.

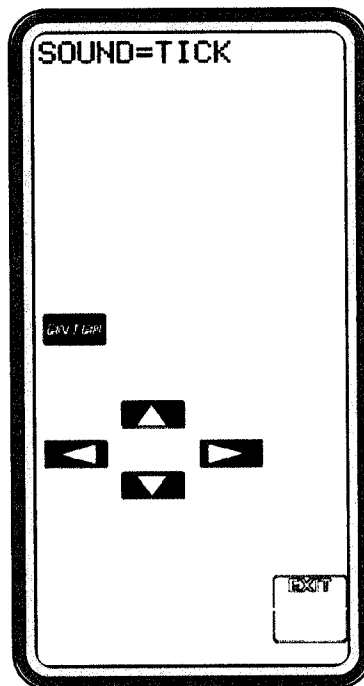
Note: The number following the word "PREFERENCES" is for technical support use only.



Setting Individual Preferences

When setting individual preferences, the item being set appears on the status line followed by the latest saved setting. The number after the equal sign (=) is the current setting and the number after the colon (:) is the alternative setting. You save the alternative setting by pressing the **ENTER** button.

The **▲** and **▼** buttons allow you to scroll through the various items you may set. The **◀** and **▶** buttons are used to change the setting. The setting is saved when you press the **ENTER** button.



Sound effect preference screen