

**Crisp Solutions<sup>TM</sup>**

TM

***Universal LCD Remote Control UC-515***

**With Touchscreen & Learning Function**

***User's Guide***

## About This User's Guide

This user's guide is designed to assist you in setting up your UCommand UC-515 Universal LCD Remote Control. Information in this document has been carefully checked for accuracy; however, no guarantee is given as to the correctness of the contents. The information contained in this document is subject to change without notice.

Updates and additional information can be found at our website:  
[www.crispsolutions.com](http://www.crispsolutions.com).

## Edition

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## **Radio Frequency Interference**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any Interference received, including interference that may cause undesired operation.

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# Chapter 1

## INTRODUCTION

Congratulations on the purchase of UCommand UC-515, the easy to use and configure digital remote control.

UCommand lets you manage all your infrared-controlled devices, eliminating the need to search for your various remotes. All you need is the UCommand. This remote control does it all for you!

UCommand's main concept is based on a large and user-friendly touch screen panel. The buttons change automatically to display the various devices you wish to control. This unique concept reduces the number of buttons for each device, which makes it easy to find the function you want.

UCommand features 8 pre-defined button layouts for TVs, DSS/Satellite/Cable sources, Tape/Tuner, CD/DVD players, Surround Sound Amplifiers, LD/VCDs, VCRs, and other devices. In addition, it has a macro function that allows you to initiate a chain of up to 25 commands with the touch of a button.

**NOTE:** This user's guide will help you learn how to use all of the advanced features of UCommand. However, it will not help explain how to use the devices for which UCommand will be controlling. Please refer to each device's manual for information related to your device.

## Unpacking UCommand

After you have unpacked UCommand, check the contents to make sure the following items are included.

- UCommand UC-515, Universal LCD Remote Control
- This User's Guide
- Reference Card
- Registration Card

If any of the above items are missing or appear damaged, contact your dealer immediately. Do not throw the shipping carton away in case you need to ship your UCommand back to your place of purchase.

## UCommand UC-515 Features

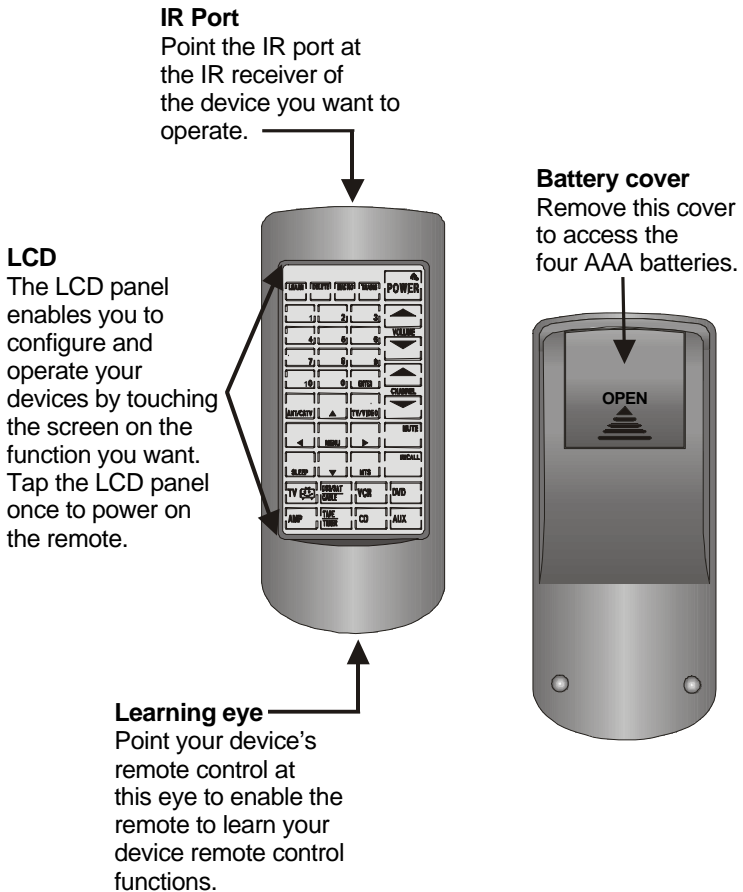
This section provides an overview of the key features of UCommand. For more information on getting the most from these features, refer to *Chapter 2*.

- Large touch screen display with automatic backlighting for visibility in dim lighting
- Adjustable backlight with four levels of ambient light sensitivity
- Extensive, programmable Macro functions: each macro can store up to 25 commands on any command button
- Offers eight customizable device layers including TV, DSS/Satellite/Cable, Tape/Tuner, CD/DVD, Amplifier, LD/VCD, VCR
- Specialized learning function makes mapping and configuring from other remote controls quick and easy by capturing their infrared (IR) signal codes.
- No hassle with device codes; learns every IR device
- Long battery life (4 - 5 months for typical use) thanks to intelligent power saving functions
- Settings held in non-volatile flash memory. Keeps your configuration when batteries finally drain
- No mechanical buttons that can wear out or get dirty
- Beep tone confirmation (can be switched off)
- Elegant design



## Identifying Components

This section provides an overview of UCommand's features and controls. Please refer to the following illustrations to identify UCommand's components. Refer to *Chapter 3* for a detailed description on using the LCD panel and controls.



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**Figure 1-1: Front and rear view**

**NOTES**

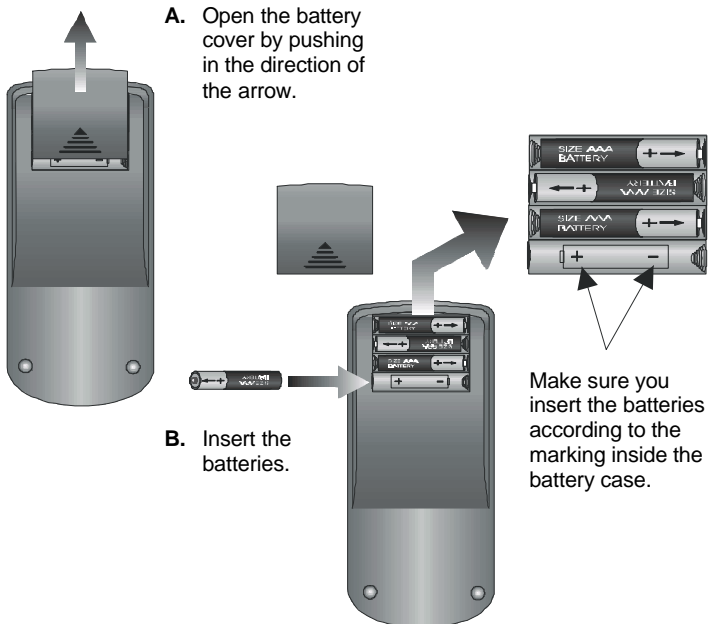
# Chapter 2

## GETTING STARTED

This chapter will guide you through the steps for inserting the batteries and using the UCommand's many features.

### Power Supply

UCommand UC-515 operates on four AAA batteries. Batteries are required before you can operate your UCommand. To insert the batteries, refer to the following illustration:



**Figure 2-1: Inserting the batteries**

**NOTE:** Average alkaline battery life is approximately 4-6 months. If you do not use the remote for extended periods of time, please remove the batteries and store them in a cool dry place. **Always dispose of used batteries in an environmentally friendly way.**

## Battery Low Icon

When the battery charge is low, the “battery low” icon will be displayed next to the Power button:

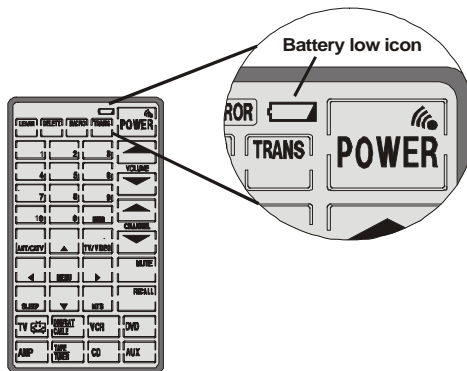



Figure 2-2: The battery low icon

You should replace the batteries with new ones immediately.

## Power Supply Tips and Precautions

- Be sure that the positive (+) and negative (-) polarities of each battery match the polarities indicated in the compartment.
- Do not expose the batteries to excessive heat or flame.
- Keep batteries out of reach of children.
- When the batteries are weak, it will be harder to control devices from a distance.
- Replace the batteries immediately when the battery low-power warning icon  appears in the information screen.

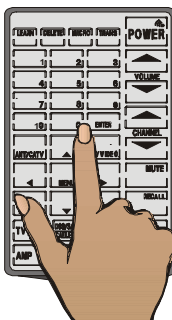
- Be sure to replace the batteries if they have been used for longer than two years: there might be a danger of leakage.
- Your device configuration data is stored in on-board flash memory and will be automatically saved when batteries are being replaced.

## The LCD

The LCD (Liquid Crystal Display) touch screen enables you to configure and operate your UCommand with the touch of a finger.

### ***Turning the LCD on***

To turn the LCD panel on, simply tap the screen with your finger:



---

**Figure 2-3: Turning the LCD on**

### ***Touch Screen Precautions***

Please read the following instructions carefully:

- Tap the LCD touch screen gently; never use force.
- Do not use a pen or any sharp object to tap the screen; otherwise, you might damage the surface. You can use a blunt object such as a pencil eraser or the cap of a pen.
- Keep the LCD dry. Wipe off any spills immediately. UCommand is not waterproof; never immerse it in liquid.
- Don't expose UCommand to extreme temperatures. Keep it away from heat sources.

- Avoid dropping the UCommand unit.
- Don't drop anything on the LCD touch screen.
- Clean the LCD touch screen with a soft cloth. If needed, dampen the cloth slightly before cleaning. Never use abrasives or cleaning solutions.

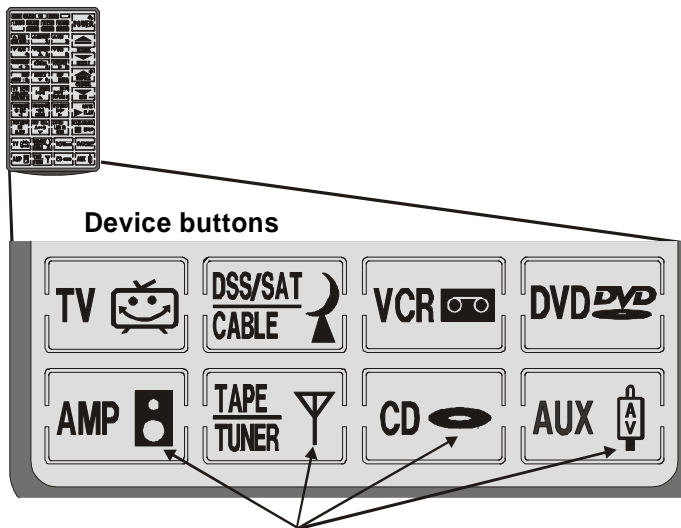
## Touch Screen Buttons

The touch screen buttons enable you to control your devices as you would with your regular remote control, set up macros, and configure your LCD panel the way you want.

Using the touch screen is easy. Simply press the screen to activate a function. You will hear a beep when you press the button.

**NOTE:** If you don't hear a beep when you press the screen, you may have deactivated the beep. Press any device button twice to activate the beep function. If you still don't hear a beep, press the button a little more firmly.

The following illustration shows the eight device buttons and icons available on the UCommand unit, for your reference.



**When you press the device button, the button's icon will appear, indicating that it is currently selected.**

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**Figure 2-4: LCD Panel Layout**

**NOTES**



# Chapter 3

## OPERATING UCOMMAND UC-515

This chapter shows you how to set up UCommand, how to automatically configure devices, and how to use advanced features such as the macros.

### Before Using the Learning Function

Before you start configuring your remote control using the learning function, please heed the following:

- You can map multiple devices to the same device layer. This can be very useful; for example, if you wish to control the TV's volume using your amplifier, without having to change between the two device screens. In this case, you learn the regular TV functions from the TV but the volume functions from the amplifier remote. In some rare cases, if you assign too many different remotes to the same device layer, this might fail, although no corruption of data or other damage will occur.
- If you are going to configure a different remote control for a UCommand device button after you have previously configured the device button for a different remote control, first delete all the commands for the device button. Refer to *Using the Delete Function* on page 16.
- When using the learning function, you must press each button within 120 seconds. Otherwise, UCommand will exit learning mode and return to normal operation mode.

## Using the Learning Function

When using the learning function, point your device's remote control at UCommand's *learning eye*. You do not have to power on the device. The ideal distance is about 1 to 2 inches. Refer to the following illustration:

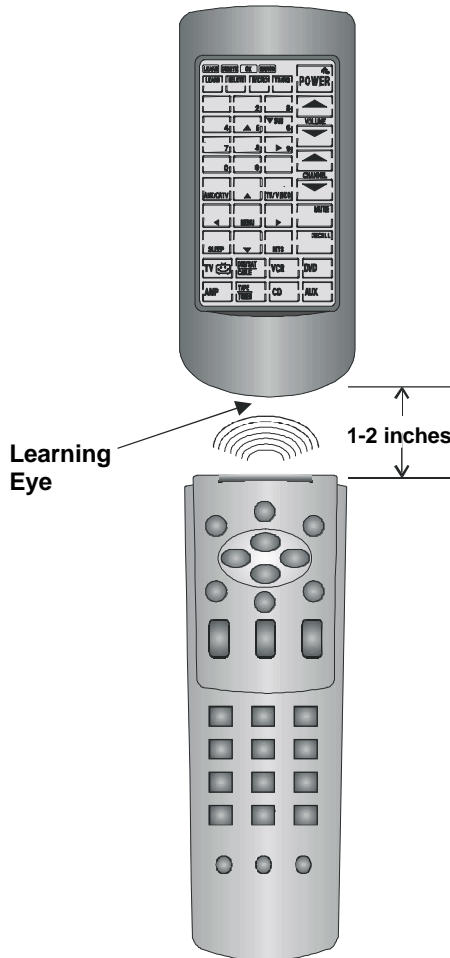
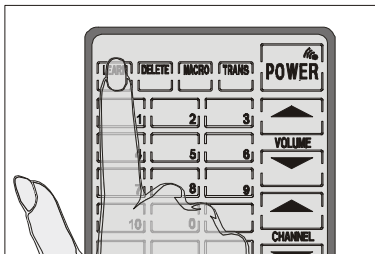


Figure 3-1: Using the learning eye

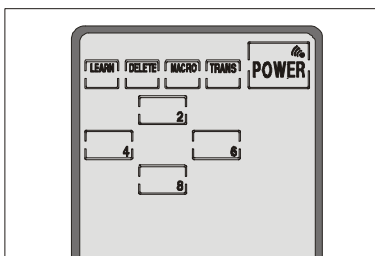
After you have lined up your remote control with UCommand's learning eye, you can use the learning function. Follow these instructions:

Press the Learn button for three seconds.

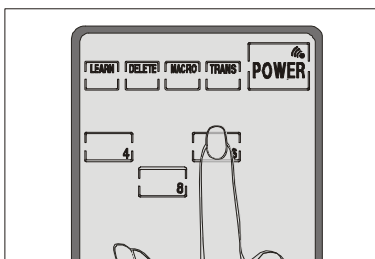


You will hear a beep, and then you will see the *setup mode enable screen* to the right.

**Note:** This screen prevents you from accidentally modifying UCommand.



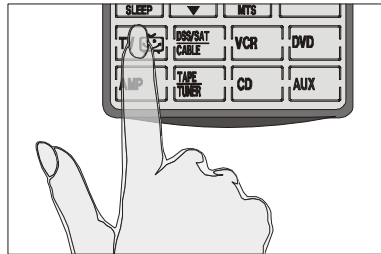
Press each number button in any order until it disappears.



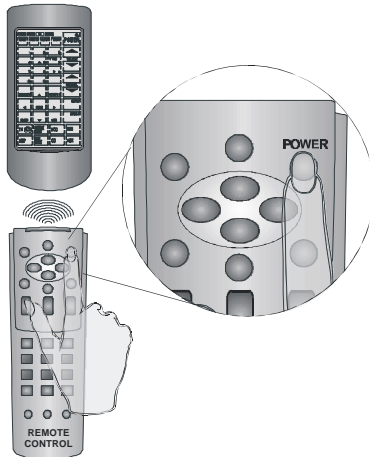
The device screen appears again, with the **LEARN** icon above the Learn button. The Power button icon is blinking, awaiting a signal from your device's remote control.



Press the button of the device that you want to program.

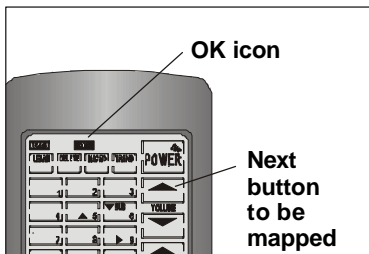


You can now start mapping your device's remote control buttons to UCommand's LCD buttons. The Power button is the first button to be mapped.



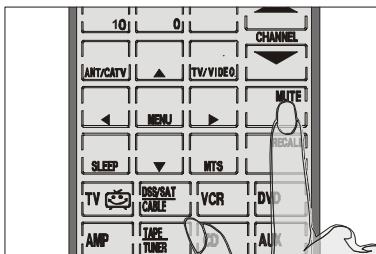
While pointing your device's remote control at UCommand's learning eye, press the device's Power button.

When you hear a beep and see the **OK** icon, release the button. The next button to be mapped will start blinking.



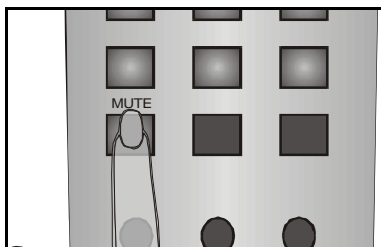
Continue to press the buttons on your device remote control corresponding to the blinking buttons on UCommand.

You can skip to any button by pressing the button on UCommand's LCD panel ...

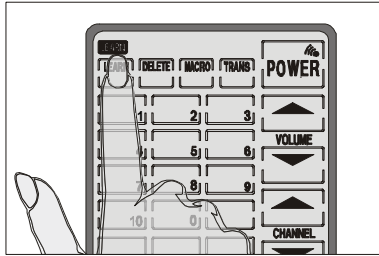


... and then press the corresponding button on your device remote control.

Or, you can press a different device button and configure it with another remote control.



When you have finished mapping all the desired buttons from your device remote control to UCommand, press the Learn button. You will hear three beeps, and UCommand will exit the learning function.



**NOTE:** If you see an “error” message when mapping a button, refer to the troubleshooting section in *Appendix B*.

## Using the Delete Function

The delete function enables you to:

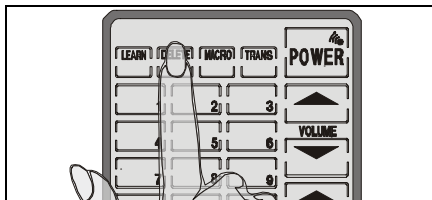
- Erase the commands for selected buttons for a device
- Erase commands for all buttons for a device
- Erase the commands for all devices

**NOTE:** The delete function only deletes the mapped data; it does not remove buttons. To learn how to remove buttons, refer to “Changing the LCD layout” on page 20.

### **Delete Device Button**

The *clear device* function enables you to erase the commands for buttons on a particular device. Follow these instructions:

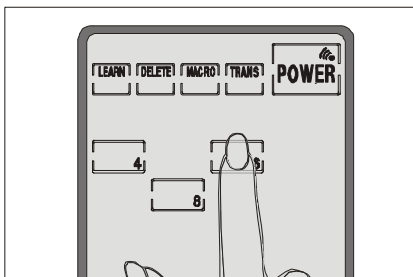
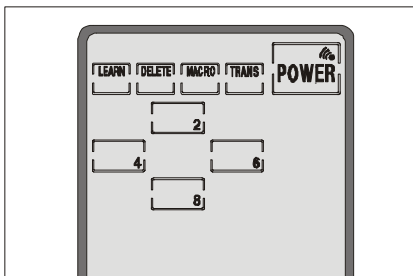
Press the Delete button for three seconds.



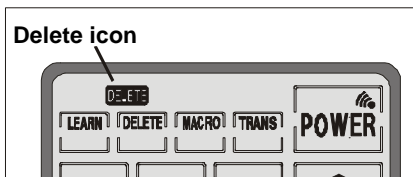
You will hear a beep, and then you will see the *setup mode enable screen* to the right.

**Note:** This screen prevents you from accidentally modifying your UCommand.

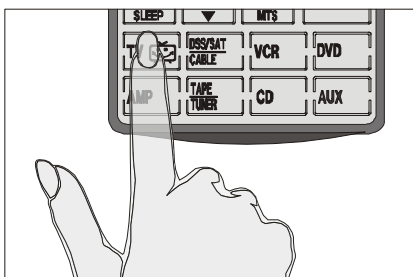
Press each number button until it disappears.



The device screen appears again, with the **DELETE** icon above the Delete button.



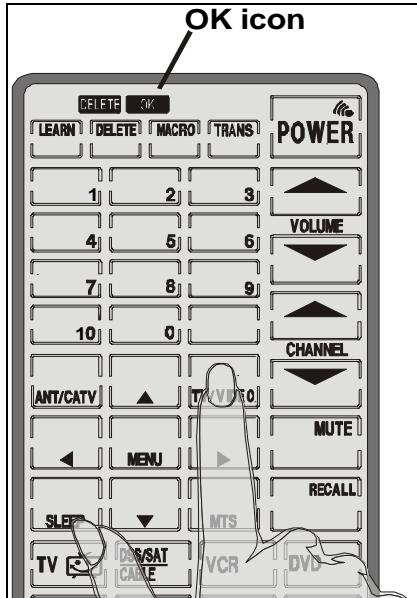
Press the button of the device that you want to configure.



Press the button whose data you want to delete. You will hear a beep and see the **OK** icon. The button's data has been deleted.

**Note:** Pressing the button only deletes the mapped data; it doesn't remove the button. To learn how to remove buttons, refer to

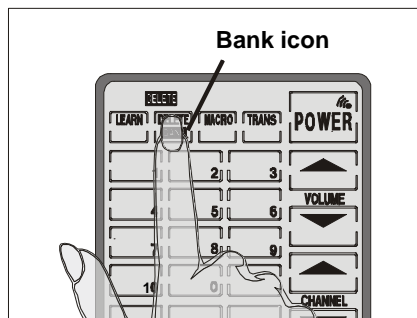
*Changing the LCD Layout* on page 20.




Continue to push buttons whose data you want to delete. When finished, press the Learn button to exit Delete mode.

### Bank delete

If you want to delete the data for all buttons of a device, press the Delete button while in delete mode. The **BANK** icon appears under the Delete button.





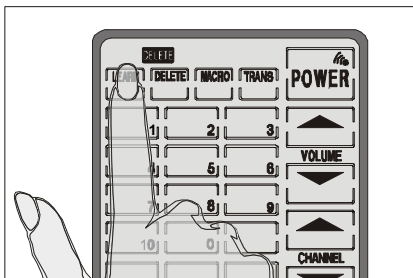
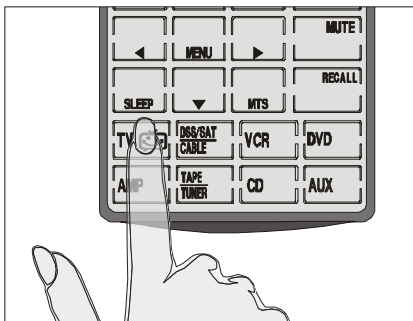
Press the device whose data you want to delete. You will hear two beeps, and will see the  icon.

The data has been erased. When finished, press the Learn button to exit Delete mode.

### Delete all devices

To delete the data for all devices, press the Delete button for three seconds while in delete mode. The display will flash and you will hear six beeps. All data will be erased.

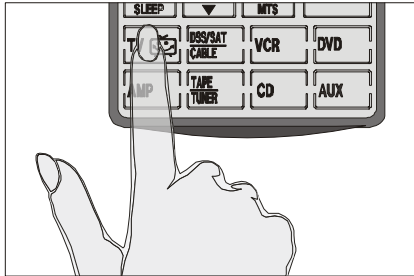
When you have finished deleting data, press the Learn button to exit the Delete mode and return to normal operation.



## Changing the LCD Layout

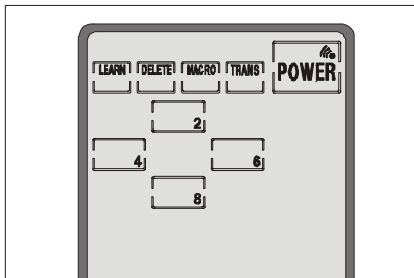
The device Edit mode enables you to delete buttons or change the icons on buttons in the device menus. For a drawing that shows all available icons, see *Appendix A*. Follow these instructions:

Press the button of the device that you want to configure for three seconds. The display will start flashing

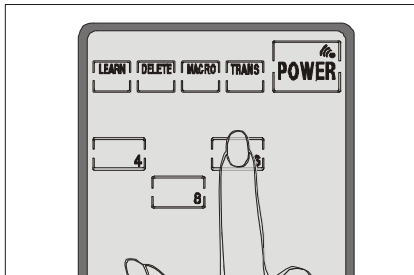


You will hear a beep, and then you will see the *setup mode enable screen* to the right.

**Note:** This screen prevents you from accidentally modifying your UCommand.

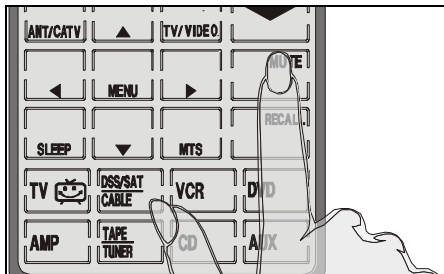


Press each number button until it disappears.



Tap the screen once.  
The display will stop flashing.

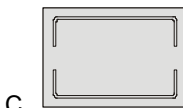
Press the button  
whose appearance  
you want to change.



Keep pressing the  
button to scroll  
through the options.  
You can delete the  
button, or choose  
one of the available  
icon layouts.

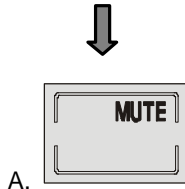
**Note:** If you want to  
map a function from  
your device remote  
control to  
UCommand, but  
there is no  
corresponding icon  
that represents your  
device function, you  
can use a blank (see  
figure C.) to  
represent the  
function.

**Note:** To see **all  
available icons**,  
press and hold the  
Power button while



in device Edit mode  
or refer to *Appendix*  
A.

After you have made  
your changes, press  
the device button  
again. You will hear  
three beeps and  
UCommand will go  
back to normal  
operational mode.



## Changing the AUX Device Layout

The **AUX** Device screen layout can be made identical to any of the other device buttons. Enter *LCD layout edit mode* for the **AUX** Device button by pressing the AUX button for three seconds (for details refer to *Changing the LCD Layout*). When the screen flashes, press the device button of the device you want to copy. This device layout is copied to the **AUX** button. Press the **AUX** button again. You will hear three beeps and UCommand will return to normal operating mode.

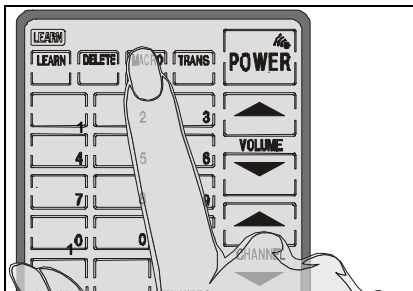
## Macro Function

The macro feature enables you to store up to 25 commands for each macro. When you have created a macro, you will be able to run a chain of commands by pushing only one button. You can assign macros to any regular button but not to device buttons.

### **Macro Setup**

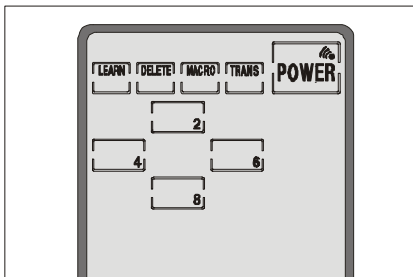
Follow these instructions to set up a macro:

Press the macro button for three seconds.

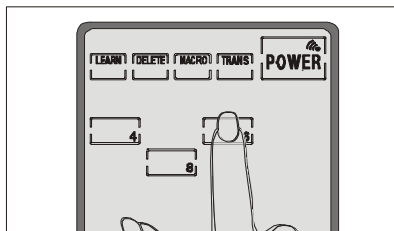


You will hear a beep, and then you will see the *setup mode enable* screen to the right.

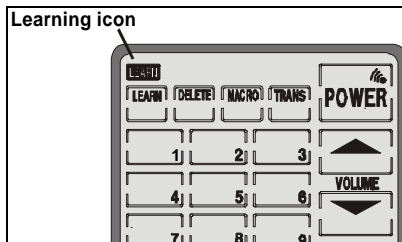
**Note:** This screen prevents you from accidentally modifying UCommand.



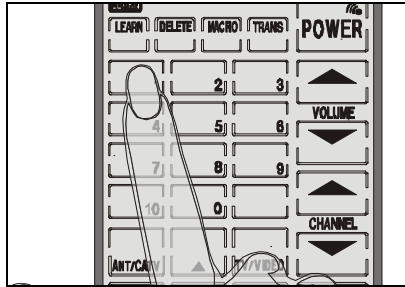
Press each number button until it disappears.



The **LEARN** icon appears above the Learn button.



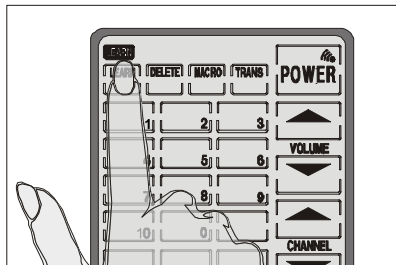
First, press the button that you want to become the macro button. You can choose a button from any device screen.



Then record the macro by pressing the desired command buttons. For details, refer to the next section: *Macro example*.

The original function of the button will be lost. Therefore, you should choose a button that you do not use in normal operation.

Press the Learn button to end any macro recording.



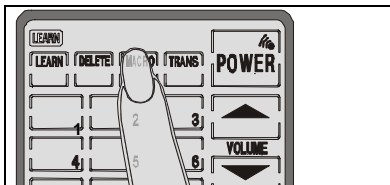
If you want to record another macro, press another key and record the macro. Otherwise, press Learn to exit the macro setup.

If necessary, you can set a time-limit delay between each run command. Refer to the next section, *Macro example*.

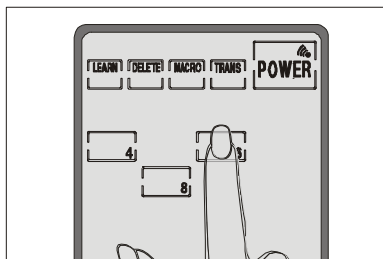
### Macro Example

The following example will help you to better understand recording a macro. This macro would be used to turn on your TV, switch to VCR input, and start playing a tape:

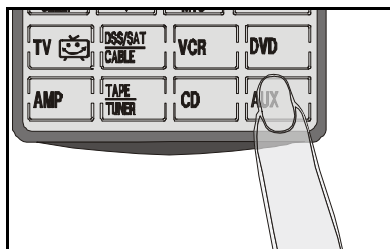
Press the macro button for three seconds to enter *macro setup mode*.



Press each number button until it disappears.



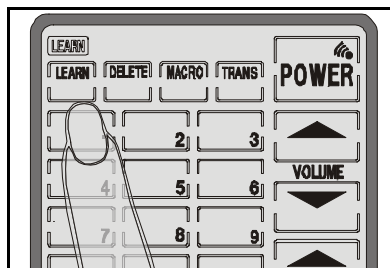
Press the AUX button to open the AUX screen. Then press 1. You will hear three beeps.



The 1 button in the AUX screen will be used to start the macro during normal operation mode.

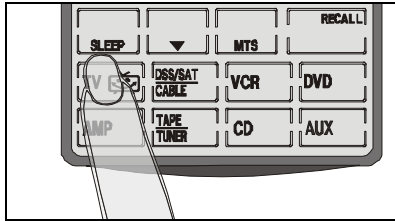
**Note:** Do not use a device button as your macro run button.

B. Press AUX to open the AUX screen

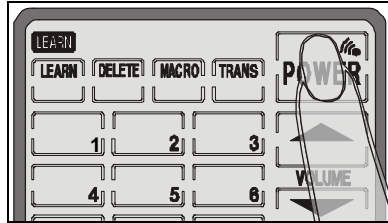


B. Press 1 to assign the macro start button

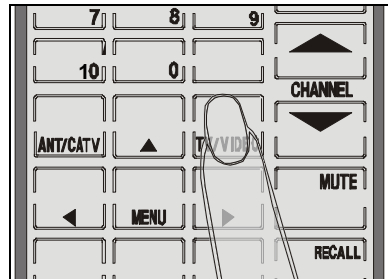
Press the TV button.



Press the Power button. This will power the TV on.



Press TV/Video.  
This command will switch the TV mode to Video-input mode so that you can watch the VCR.



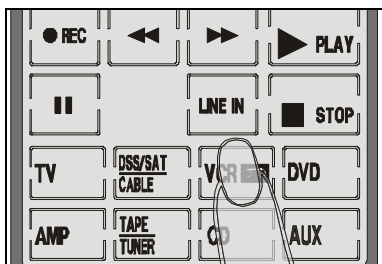
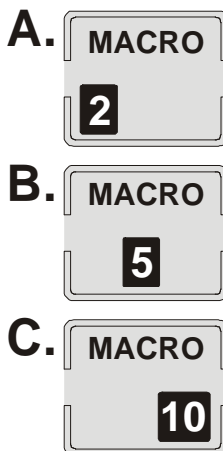


You may need to set a time delay between turning your TV on and switching it to Video-input mode. Push the macro button to scroll through the three options: A. two seconds; B. five seconds; and C. ten seconds.

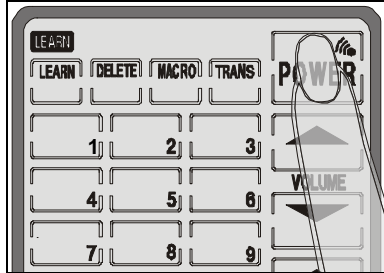
Push the macro button until the ten-second delay (C.) appears.

**Note:** You can set this time delay between any two commands.

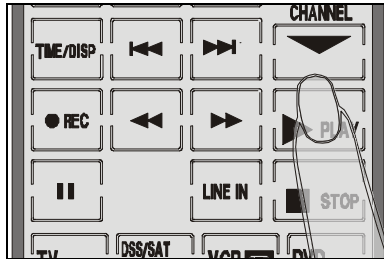
Press VCR to switch to the VCR device menu.



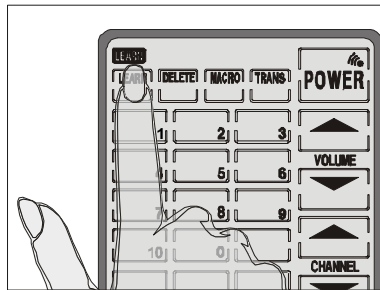
Press Power. This powers your VCR on.



Press Play. This command will start playing the tape in your VCR.



Press *Learn* again to complete the current macro setup. You can then continue to set up another macro function, or press *Learn* twice to exit the macro setup.



### **Running the Macro**

To run the macro, press the button that you assigned when you recorded the macro. In the preceding example the following events will happen when you press 1 in the **AUX** device screen:

1. TV turns on
2. Ten second delay
3. TV switches to video mode

4. VCR turns on
5. VCR starts playing tape

The macro button's original function will not work unless you delete the macro using the Delete button function. Refer to *Using the Delete Function* on page 16.

## Adjusting the LCD Backlight

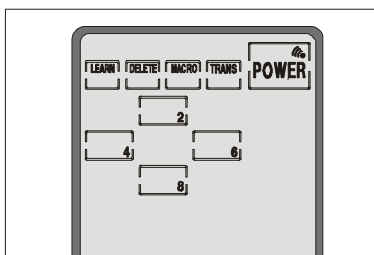
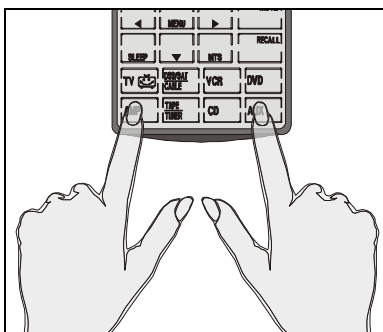
You can adjust the length of time that the LCD backlight stays on after you press the LCD panel, and it's sensitivity to ambient light. Refer to these instructions:

Press the **AMP** and the **AUX** buttons at the same time for three seconds to enter the backlight configuration mode.

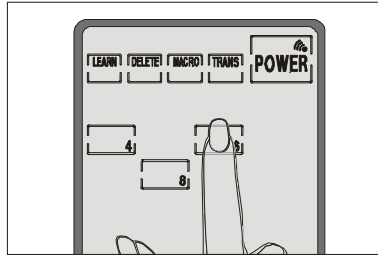
**Note:** Do not confuse this button combination with the combination for recalling the original LCD layout (TV and DVD).

You will hear a beep and then you will see the *backlight adjust mode enable screen* to the right.

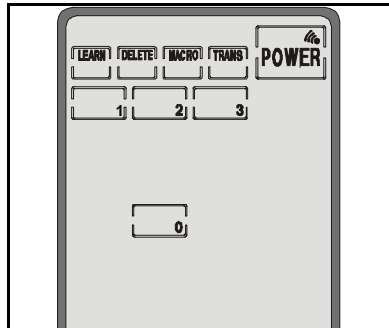
**Note:** This screen prevents you from accidentally modifying your UCommand.



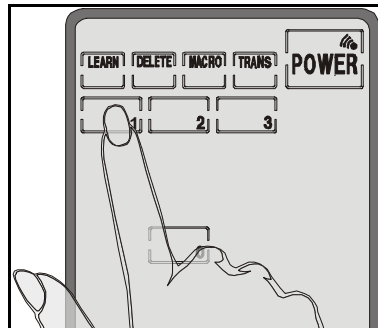
Press each number button until it disappears.



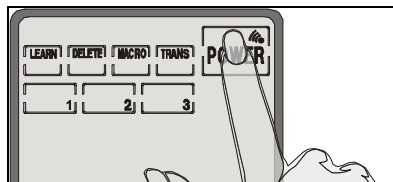
You will see the screen to the right. From here, you can set the duration of time that the LCD backlight stays on after you touch the LCD panel.



Press 1 for a 10-second delay. Press 2 for a 20-second delay. Press 3 for a 30-second delay.



After you have made your adjustment, press the Power button to move to the next screen.



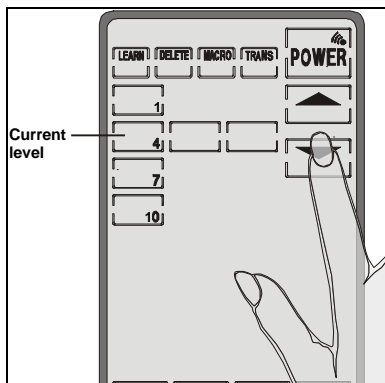
UCommand detects the ambient lighting and will turn the backlight on according to the setting in this screen.

Press the Up arrow key to increase the sensitivity of the backlight to the ambient lighting.

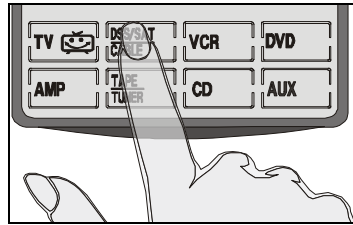
When set to 1, the backlight will automatically switch on after a small decrease in the ambient light brightness.

Press the down arrow key to decrease the sensitivity of the backlight to the ambient lighting.

When set to 10, the backlight will automatically switch on after a large decrease in the ambient light brightness.



When you have finished making your adjustment, press any of the Device buttons to exit.



## Turning Off the Beep Signal

This function toggles the beep signal off and on. To turn off the beep signal, press the active device button. To turn it back on, press the same device button again.

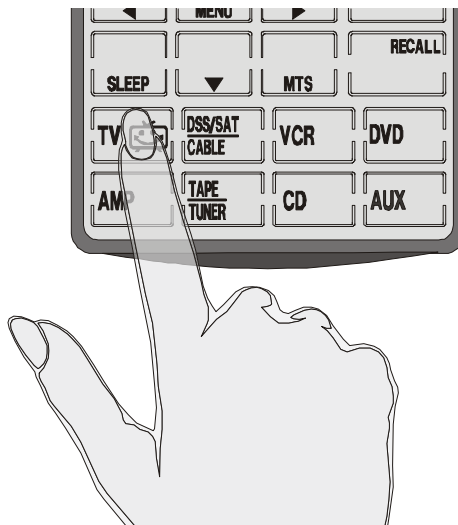
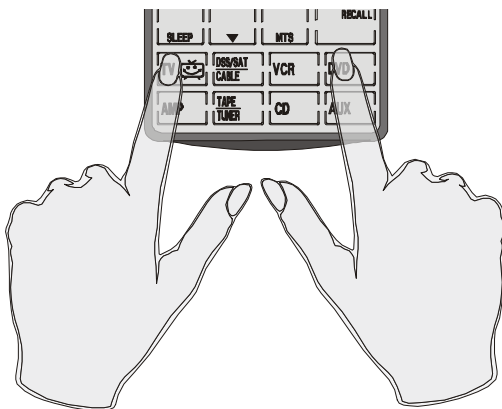


Figure 3-2: Turning off the beep signal

## Recalling the Original LCD Layout

You can reset the LCD panel buttons to their original factory configuration. Any configurations you have made will be lost. The learned codes are not deleted; to delete those, refer to *Using the Delete Function* on page 16.

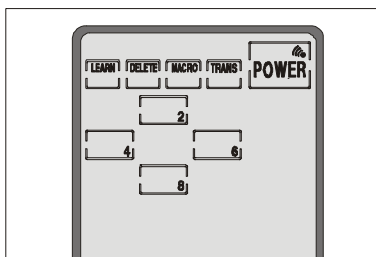
To recall the original LCD layout, press the **TV** and **DVD** device buttons at the same time for five seconds:



**Figure 3-3: Recalling the original LCD panel configuration**

You will hear a beep and then you will see the *backlight adjust mode enable screen* to the right.

**Note:** This screen prevents you from accidentally modifying your UCommand .



UCommand beeps several times and returns to normal view. The original LCD panel configuration is recalled.

**NOTES**



# Appendix A

## UCOMMAND 515 SPECIFICATIONS

<b>Model</b>	<b>UC-515</b>
<b>Display</b>	Touch LCD with backlight
<b>Display types</b>	TV, DSS/SAT/Cable, VCR, DVD, AMP, Tape/Tuner, CD, AUX
<b>Remote capability</b>	8 Displays x 28 keys = 224 keys
<b>Learning frequency</b>	10kHz – 150 kHz
<b>Macro capability</b>	25 commands per command key
<b>Operating range</b>	Approx. 30 ft. under typical conditions
<b>Power saving</b>	LCD turns off 20 minutes after last operation, reactivates automatically Backlight turns off 10 to 30 seconds after last operation
<b>Battery consumption</b>	In use: 50mA; Standby: 125 $\mu$ A; LCD off: 25 $\mu$ A
<b>Battery life</b>	4 – 6 months (with typical use)
<b>Battery type</b>	4 AAA alkaline batteries (SUM-4)
<b>Safety Approvals</b>	CE, FCC
<b>Dimensions</b>	7.0" x 3.22" x 1.1" (180 x 82 x 28 mm) L x W x H
<b>Weight</b>	0.48 lbs. (220g) without batteries

## ALL AVAILABLE ICONS FOR THE UCOMMAND

# Appendix B

## TROUBLESHOOTING

If you have trouble configuring or operating UCommand, first check that you have inserted the batteries correctly (page 5). Then check the items below.

Symptom	Remedy
UCommand doesn't operate your device.	<ul style="list-style-type: none"><li>• Move closer to the device. The maximum operating distance is approximately ten meters.</li><li>• Ensure that you are aiming UCommand directly at the device and that there are no obstructions between UCommand and the device.</li><li>• Ensure that you have used the Learning function (page 12) to configure the device.</li><li>• Make sure that the desired device on the UCommand LCD panel has been selected.</li></ul>
You cannot operate a device even after configuring the device using the learning function (page 12).	<ul style="list-style-type: none"><li>• Make sure that you have correctly "mapped" your device's remote control to UCommand.</li><li>• Clear device data from UCommand (<i>Bank delete</i>, page 18) and carry out the learning function again (page 12).</li><li>• Don't assign too many different remotes to the same device layer (page 11).</li><li>• A very few original remotes use an IR signal that is out of the range of the UCommand's capability.</li><li>• Some original remotes mix more than one command to perform a function; UCommand may not be able to accurately record these layered commands.</li><li>• Some original remotes have an unstable timing, which cannot be learned. Try learning the commands from a different remote control, such as a universal remote, configured to control the respective device.</li></ul>

<p>You see an "error" display during the learning procedure.</p>	<ul style="list-style-type: none"><li>• Try the learning procedure again (page 12).</li><li>• The source remote uses an uncommon code, which may not be learnable by the UCommand.</li><li>• The source remote uses a frequency lower than 10kHz or higher than 150 KHz</li></ul>
<p>You see an "error" display during operation.</p>	<ul style="list-style-type: none"><li>• The button that you pressed has not been configured. Configure the button again, using the learning procedure (page 12).</li></ul>
<p>The RECORD button does not work</p>	<ul style="list-style-type: none"><li>• A feature of UCommand prevents the record function of your Tape or VCR from starting unintentionally. Hold the RECORD button for about 2 seconds for the command to be sent to the VCR.</li></ul>
<p>Problems learning from 2-way remotes</p>	<ul style="list-style-type: none"><li>• Some remotes return a confirmation signal from the device, which can confuse the learning capability. Turn off the device while programming, or go to another room. Alternately, move UCommand out of the line-of-sight of the device immediately after programming a button.</li></ul>
<p>The LCD screen turns off.</p>	<ul style="list-style-type: none"><li>• UCommand is preset at the factory to automatically switch the LCD off after 20 minutes if left unused. Just tap the LCD screen to turn UCommand back on again.</li></ul>

Our Support Website is constantly updated. Open your browser to [www.crispsolutions.com](http://www.crispsolutions.com).

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***Crisp Solutions***<sup>™</sup>

**UCommand UC-515  
Universal LCD Remote  
Control User's Guide**

7-11-00/UG-515

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