

UNIVERSAL REMOTE CONTROL GUIDE



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UNIVERSAL REMOTE CONTROL

Your new AT6400 AllTouch Infrared (IR) Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your Set Top Box, your TV, and two other devices, such as a DVD player and VCR.

1. IMPORTANT INFORMATION ABOUT YOUR REMOTE

Your remote is initially programmed to only operate your set top box. Therefore, you must program the remote to operate your TV, VCR, DVD, or other devices. See **PROGRAM THE REMOTE TO CONTROL MY DEVICES** to learn how to enter device codes and program your remote.

NOTE: *You must use the IR remote within line of sight of the set top box to operate the set top box correctly.*

2. HOW DOES A UNIVERSAL REMOTE CONTROL WORK?

You tell the remote which type of device you want to operate using the four keys arched across the top of the remote. These keys, known as mode keys, are labeled STB (Set Top Box), TV, DVD, and AUX. Each mode key is associated with a specific device. As an example, after programming the remote, if you want the remote to operate your TV, you simply press the **TV** key. Other keys you press on the remote, thereafter, should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your specific devices.

3. WHERE DO I START?

Before you begin using your remote, complete the following initial setup tasks.

▶ **INSTALL THE BATTERIES**

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When the batteries are properly installed, the light on the remote blinks each time a key is pressed.

▶ **VISIT THE REMOTE CONTROL QUICK REFERENCE SECTION**

Use the Remote Control Quick Reference section on Page 12 of this guide to familiarize yourself with the remote and the functions of its various keys. Knowing the function and location of the keys on the remote will assist you when you are programming the remote.

4. PROGRAM THE REMOTE

To learn how to program your remote, refer to the sections **What Devices Can I Control**, **What Devices Do I Want to Control**, and **Program The Remote To Control My Devices** for further instructions.

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5. FIND A PLACE TO STORE YOUR REMOTE

Keeping up with one remote is much easier than keeping up with four or five remotes. However, it is still a good idea to find a storage location for your remote. The AT6400 is not a toy. It should be kept out of the reach of children under the age of 6 years.

6. PROGRAM THE REMOTE TO CONTROL MY DEVICES

Your remote is initially programmed to only operate your Set Top Box. You will need to set up the remote to operate your other devices using its TV, DVD, VCR, and AUX modes. The **TV** key may be programmed to operate a standard or high-definition television (HDTV). The **DVD** key may be programmed to operate a DVD player. The **AUX** key may be programmed to operate a VCR, a receiver, an amplifier, or a Home Theater in a Box (HTIB) system. If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Refer to the code tables at the end of this guide to locate additional programming codes.

***Note:** You have the option to assign some remote keys to operate one device type only. For example, you may want to assign volume control to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures found later in this guide.*

7. ASSIGNING A DEVICE CODE TO A MODE KEY

Refer to the code tables at the end of this guide to locate the information for the device you want to control.

NOTE: If your device is not listed, you may be able to program the remote using the Auto-Search function. Go to [What If None of the Codes Work](#) on page 15 for instructions.

1. Turn on the device that you want to assign a mode key.
2. Press and hold the appropriate mode key (**TV, DVD, or AUX**) on the remote, and then press and hold the **OK** key.
3. Release both keys and the mode keys blink twice.
4. Enter the first 4-digit setup code for the device using the numeric keys (0-9) on the remote. The mode key blinks three times to indicate that the code entry was accepted.

NOTES:

- When an invalid code is entered, the selected mode key displays a long flash to indicate that you have not entered the code correctly.
- Should the remote time-out before you complete the code setup, you must start over. This is indicated by one long flash of the red LED.

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5. Point the remote at the device, and press **POWER** to test the device.
6. Did the device power off?
 - If **YES**, write this code number in the table found on page 38. You may need it again if the device code is accidentally erased.
 - If **NO**, repeat this procedure from step 3 using a different setup code.

NOTE: *If none of the codes listed for your brand of device operate the device correctly, go to **What If None of the Codes Work** for instructions.*

7. Repeat this procedure for each mode key you want to program.

8. WHAT IF NONE OF THE CODES WORK?

If none of the codes listed for your brand of device operate the device correctly, or if your device is not listed in the codes table, you can use the Auto-Search function to search through the code library for a valid code. This section provides procedures for using the Auto-Search function to search the code library for TV, DVD, and AUX mode codes.

NOTE: *Read the procedures in this section thoroughly before beginning. You need to be prepared to observe the behavior of the remote.*

▶ AUTO-SEARCH FEATURES

Consider the following items when using Auto-Search:

- The Auto-Search function begins searching from the first code.
- If a valid code is not found, the green backlight blinks twice and the remote returns to normal operation.
- If any other key is pressed except **PLAY**, **ENTER**, **POWER**, **EXIT**, **REW**, **FF**, or numeric keys 1 through 4 (when programming the AUX mode key), the mode key displays a long red flash (error message) and the remote returns to normal operation.
- Should the remote time-out before you complete the Auto-Search function you must start over. This is indicated by one long flash of the red LED.
- If the device is not listed and the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

▶ AUTO-SEARCHING THE CODE LIBRARY FOR TV OR DVD MODE CODES (Program Code 922)

NOTE: *This procedure only applies to TVs and DVDs.*

1. Turn on the device that you want to assign to the **TV** or **DVD** key.

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2. Point the remote at the device.
3. Press and while holding a selected mode key (**TV** or **DVD**), press the **OK** key. For example, to search for a TV code, press and hold **TV** and **OK** at the same time.
4. Release both keys and all the mode keys will blink twice.
5. Enter the programming code **922** by pressing the numeric keys on the remote. The mode key you selected in step 3 blinks twice to indicate a successful entry.
6. Point the remote toward the device, and press **PLAY**.
7. Your device powers off when it finds the correct code. Then, choose one of the following options:
 - **Save code and exit** – Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.
 - **Step forward** – Press the **fast-forward (FF)** key on the remote to step ahead through the codes one at a time. Then, return to step 6.
 - **Step backward** – Press the **rewind (REW)** key on the remote to step back through the codes one at a time. Then, return to step 6.
 - **Exit without saving the code** – Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.
 - **Send the current code** – Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 6.
 - **Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 6.

► **AUTO-SEARCHING THE CODE LIBRARY FOR AUX MODE CODES** (Program Code 922)

1. Turn on the device that you want to assign to the **AUX** key.
2. Point the remote at the device.
3. Press and while holding the **AUX** key press the **OK** key.
4. Release both the **AUX** and the **OK** keys and all the mode keys will blink twice.
5. Enter the programming code **922** by pressing the numeric keys on the remote. The **AUX** key blinks twice to indicate a successful entry.
6. Press the **PLAY** key, choose one of the following device categories and then, using the number keys on the remote, press its assigned number (1-4) based on the following list:

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1. = VCR
 2. = Receiver/Tuners
 3. = Amplifiers
 4. = HTIB (Home Theater in a Box)
7. Point the remote toward the device, and press **PLAY**.
 8. Your device powers off when it finds the correct code. Then choose one of the following options:
 - **Save code and exit** – Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.
 - **Step forward** – Press the **fast-forward (FF)** key on the remote to step ahead through the codes one at a time. Then, return to step 7.
 - **Step backward** – Press the **rewind (REW)** key on the remote to step back through the codes one at a time. Then, return to step 7.
 - **Exit without saving the code** – Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.
 - **Send the current code** – Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 7.
 - **Continue with auto-search function** – Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 7.

9. REASSIGN MODE KEYS

You can reassign a mode key to operate a different device. For example, you can reassign the **AUX** key to operate a DVD player or a TV. If you reassign a key, be sure you update the table found on page 38.

▶ REASSIGNING MODE KEYS (Program Code 944)

1. Press and hold the **STB** key on the remote control.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release both keys and all mode keys blink twice.
4. Enter the programming code **944** by pressing the numeric keys on the remote. The **STB** key blinks twice indicating a successful entry.
5. Press and release the mode key associated with the type of device you want to control, and then press and release the mode key that you want to change. The newly assigned mode key blinks one time indicating a successful entry.

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Some common examples:

- To program the **AUX** key to operate your DVD player, press **DVD** and then **AUX**.
- To program the **DVD** key to operate your TV, press **TV** and then **DVD**.

10. CHANGE VOLUME CONTROL

By default, once the TV mode key is programmed with a valid code, the volume and mute buttons control your TV. These keys adjust the volume of your TV higher, lower, or temporarily switch the volume off (Mute), regardless of whether the remote is in **STB**, **DVD**, or **AUX** mode.

If you prefer, you can choose to have the volume and mute buttons always control a different device rather than your TV, such as a home theater receiver. (See **Controlling Volume for One Device** below.) Note that you must first program one of the mode keys, such as **AUX**, with a valid code for that device.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want to control the volume on your TV when in TV mode, but the volume on your home theater receiver when in **AUX** mode. (See **Controlling Volume for Different Devices** below.) Note that not all devices have volume controls, so if you choose this option, the volume and mute button may do nothing in some modes, such as **STB** and **DVD**.

▶ **CONTROLLING VOLUME FOR ONE DEVICE** (Program Code 955)

1. Press and hold the **STB** key on the remote control.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release both keys and all mode keys blink twice.
4. Enter the programming code **955** by pressing the numeric keys on the remote. The **STB** key blinks twice indicating a successful entry.
5. Press and release the mode key for the device you want the volume keys to control. For example, if you want to control volume through your TV, press and release **TV**. The selected mode key blinks three times to indicate a successful entry.
6. The volume keys now control only one device whether you are in **STB**, **TV**, **DVD**, or **AUX** mode.

▶ **CONTROLLING VOLUME FOR DIFFERENT DEVICES** (Program Code 955)

Complete steps 1 through 4 of the **Controlling Volume for One Device** procedure.

Press and release the **ENTER** key. The **STB** mode key blinks three times to indicate a successful entry.

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After you press the **ENTER** key, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only.

NOTES:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The **STB** mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming volume control, the remote does not accept any changes. You must start over from step 1 of this procedure.

11. CHANGE CHANNEL CONTROL

The remote is set by default to control channel selection on the Set Top Box. You can also program channel control to control any of the TV, DVD, or AUX mode devices provided the device allows for channel control assignment. Or, you can set the channel selection control programming to control channels (or page up or down) for all of the devices programmed in the four mode keys. Otherwise, you can only control channels (or page up or down) on a specific device, for example, the TV or DVD.

NOTE: *The channel control keys include CH/Page, Jump, and the numeric keys 0-9.*

▶ **CONTROLLING CHANNELS FOR ONE DEVICE** (Program Code 966)

1. Press and hold the **STB** mode key on the remote control.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release both keys and all mode keys blink twice.
4. Enter the programming code **966** by pressing the numeric keys on the remote. The **STB** mode key blinks twice to indicate a successful entry.
5. Press and release the mode key for the device you want the channel key to control. For example, if you want to control channels on your TV, press and release TV. The selected mode key blinks three times to indicate a successful entry.

The channel key now always controls the device associated with the mode you selected in this procedure, whether in **STB**, **TV**, **DVD**, or **AUX** mode.

▶ **CONTROLLING CHANNELS FOR DIFFERENT DEVICES** (Program Code 966)

Complete steps 1 through 4 of the **Controlling Channels for One Device** procedure. Press and release the **ENTER** key. The **STB** mode key blinks three times to indicate a successful entry.

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After you press the **ENTER** key, the channel key now controls the device associated with the mode key you select. For example, in TV mode, the channel key controls the TV, but in STB mode, the channel key controls the Set Top Box.

NOTES:

- If any other key is pressed, except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The **STB** mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming channel selection control, the remote does not accept any changes. You must start over from step 1 of this procedure.

12. CHANGE POWER CONTROL

The **POWER** key on the remote is set by default to control the power switch on one device at a time, in either mode (STB, TV, DVD, or AUX). When in **STB** mode, the remote switches the Set Top Box from **OFF** (standby mode) to **ON**, or from **ON** to **OFF** (standby mode). However, you can alternatively program the **POWER** key to control the power switch on up to four devices at the same time, instead of controlling one device at a time. It is highly recommended that you set up the **POWER** key to turn on and off your Set Top Box and your TV at the same time. Turning off the Set Top Box saves electricity and extends the life of the box. When turned off, the Set Top Box can still record scheduled programs on its DVR and perform any other necessary functions.

▶ **CONTROLLING POWER FOR MULTIPLE DEVICES AT ONCE** (Program Code 977)

1. Press and hold the **STB** key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release both keys and all mode keys blink twice.
4. Enter the programming code **977** by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
5. For the first device, press the **STB** key. The **STB** mode key blinks twice.
6. For the second device, press the applicable mode key (TV, DVD, or AUX). The selected mode key blinks twice.
7. Repeat step 6 for up to two more devices (total of four devices).
8. Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

Example: If you press only TV in steps 6 and 7, the **POWER** key controls both the Set Top Box and the TV at the same time, regardless of which mode the remote is in (STB, TV, DVD, or AUX).

▶ **CONTROLLING POWER FOR ONE DEVICE AT A TIME** (Program Code 977)

Complete steps 1 through 4 of the **Controlling Power for Multiple Devices at Once** procedure. Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

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After you select a mode, the **POWER** key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

NOTES:

- If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The **STB** mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

13. PUT IT BACK THE WAY I GOT IT

You can return all advanced functions back to their original settings by resetting the remote to factory default settings. Resetting the remote to factory default settings removes all of the programming you have entered for the remote. You must reprogram the remote to restore your settings.

▶ **RESETTING THE REMOTE TO FACTORY DEFAULT SETTINGS** (Program Code 900)

1. Press and hold the **STB** mode key on the remote.
2. Without releasing the **STB** key, press and hold the **OK** key.
3. Release both keys and all mode keys blink twice.
4. Enter the programming code **900** by pressing the numeric keys on the remote. The **STB** mode key blinks four times to indicate you have successfully reset the remote to factory default settings.

NOTES:

- If any other key is pressed except the numeric keys, the remote does not accept any changes or updates. The **STB** mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

14. TROUBLESHOOTING

If there is no response when you press the keys on the remote, please check the following items before calling for service.

▶ **CHECK THE BATTERIES**

- Are the batteries inserted correctly?
- Check the battery condition for leakage.
- Replace with new alkaline batteries.

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▶ CHECK THE DEVICE

- Is the device's power cord connected to the power outlet?
- Is the device switched on?

▶ CHECK THE IR DATABASE CODES LIST

- Is the device brand name for the device listed in the code list?
- If yes and there is more than one code listed, try using a different code to provide more functionality.
- If no, try the following:
 - Use the Auto-Search function to find a usable code.
 - If the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

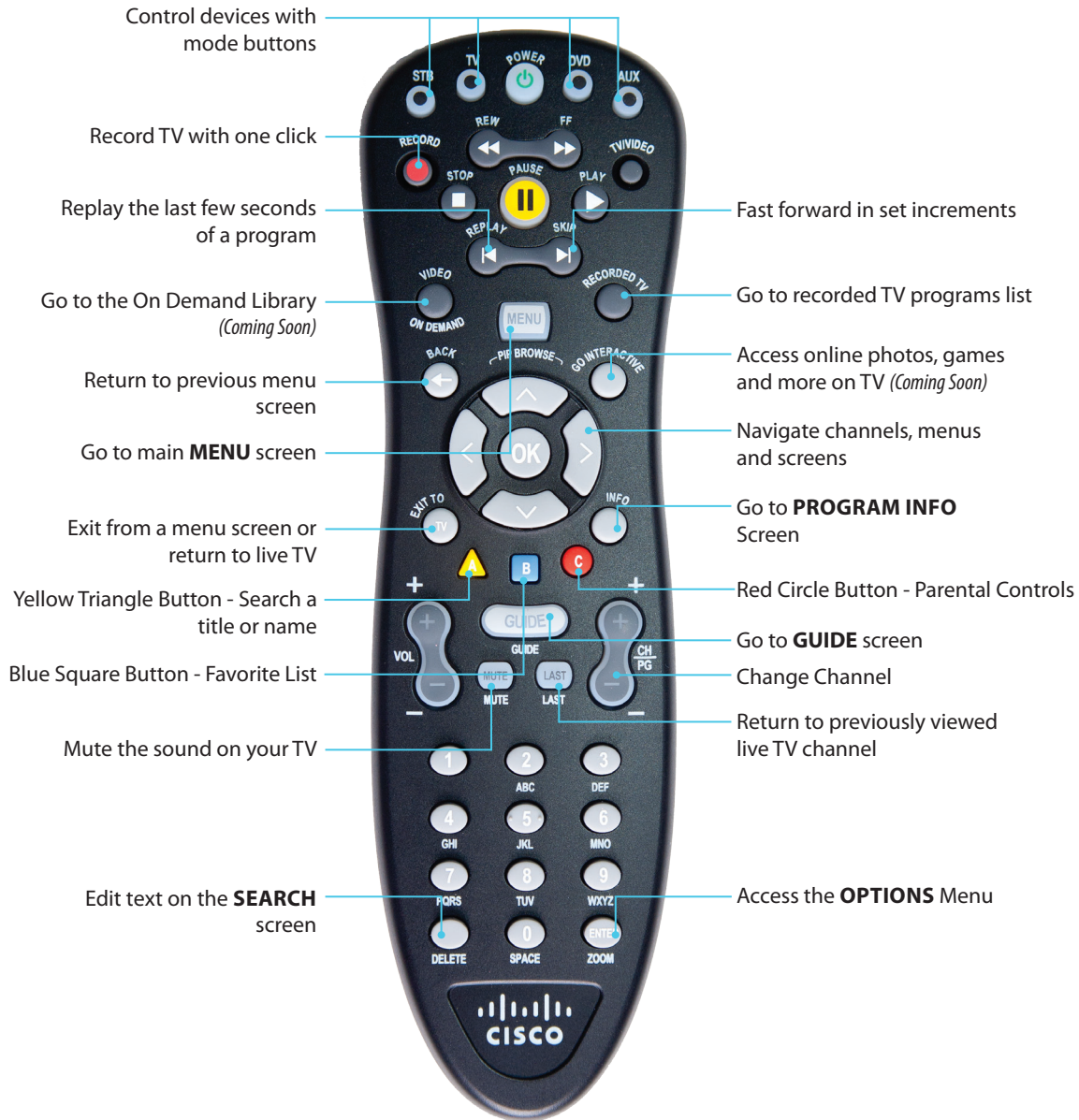
15. CODE TABLES

If the remote does not recognize your device, you can find codes for your device by brand name. With combination devices (such as a TV with a built-in DVD player), there are separate codes for each device component. Therefore, for ease of use, the combination device codes are listed first. All other code tables in this section are organized by the devices assigned to each mode (TV, DVD, and AUX).

16. COMBINATION DEVICE CODES

If you have a combination device, you may need to reassign the **AUX** key to operate one of the devices, for example, the VCR. The tables on the following pages provide some examples of combination devices. If your combination device is not listed, simply look for the codes for each separate device.

REMOTE CONTROL QUICK REFERENCE



Your remote can control up to four devices

At installation your remote was set up to control your FTCtv receiver. The remote is also capable of controlling up to three other devices, such as a TV, DVD player, or home theater system. You can find information in the Remote Control Guide that came with your remote control on how to program your remote to additional devices. You can also download a copy at www.farmerstel.com/remotecontroluserguide.pdf.