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04/05/03	1	Initial Release	

**Specification  
For  
URC-300 IR/RF Remote Control**

**URC Proprietary II**

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**TABLE OF CONTENTS**

<u>Section</u>	<u>Page</u>
<b>1.0 INTRODUCTION .....</b>	<b>3</b>
1.1 DESCRIPTION	
1.2 FEATURES	
1.2.1 MAIN FUNCTIONS	
1.3 REVISION RECORD	
1.4 APPEARANCE	
1.5 FUNCTION TABLE	
<b>2.0 PROGRAMMING THE REMOTE CONTROL.....</b>	<b>10</b>
2.1 PREPROGRAMMED SET UP	
2.1.1 ENTERING A THREE DIGIT DEVICE CODE	
2.1.2 USING THE AUTO SEARCH METHOD	
2.1.3 PROGRAMMING A SECOND DEVICE TO OTHER DEVICE BUTTONS	
2.1.4 IDENTIFYING THE SET UP CODE NUMBER	
2.2 LEARNING SET UP	
2.2.1 LEARNING NEW FUNCTION ON THE REMOTE	
2.2.2 ERASING LEARNED FUNCTIONS	
2.3 PUNCH THROUGH	
2.3.1 VOLUME CONTROL "PUNCH THROUGH"	
2.3.2 CHANNEL CONTROL "PUNCH THROUGH"	
2.3.3 TRANSPORT CONTROL "PUNCH THROUGH"	
2.3.4 VOD CONTROL "PUNCH THROUGH"	
2.3.5 POWER CONTROL "PUNCH THROUGH"	
2.4 MACRO MEMORY BUTTONS	
2.4.1 PROGRAMMING MEMORY BUTTONS	
2.4.2 ERASING MEMORY BUTTONS	
2.5 CHANGING THE LCD TEXT	
2.6 BACK LIGHT	
2.7 LOW VOLTAGE MESSAGE	
2.8 FACTORY RESET	
<b>3.0 BRAND LIST FOR EACH DEVICE.....</b>	<b>17</b>

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 2 of 2</b>

# 1. INTRODUCTION

## 1.1 DESCRIPTION

The URC-300 IR & RF remote control is preprogrammed to operate Audio and Video components so that you can set it up by simply punching in a three digit code number that matches your equipment.

The URC-300 IR & RF remote control also has the ability to learn new functions from your original remote controls, allowing you to customize the remote to your own needs and update it as you add new equipment.

The URC-300 IR & RF remote control operates up to 8 different audio and video devices in your home entertainment system with 53 buttons.

## 1.2 FEATURES

### 1.2.1 Main Functions

- Preprogrammed Setup Codes
- Learning from Other Remote Controls
- Punch Through Operations
- Macro Operations
- Changing the LCD Text
- Back Light
- Low Battery Message
- Factory Reset
- RF Capability with 418MHz
- Shift Mode Button

## 1.3 REVISION RECORD

Revision	Description
1	Initial release

## 1.4 APPEARANCE

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 3 of 3</b>

<b>No.</b>	URC-300
<b>Rev.</b>	<b>Sheet 4 of 4</b>

1.5 FUNCTION TABLE

04-14-2003 Version 1.0

Buttons \ Device	AUDIO		CD	
	Page1	Page2	Page1	Page2
AUD	AUD Device SELECT	TUNER	AUD Device SELECT	
CD	CD Device SELECT	CD	CD Device SELECT	
DVD	DVD Device SELECT	DVD	DVD Device SELECT	
AUX	AUX Device SELECT	AUX	AUX Device SELECT	
SAT	SAT Device SELECT	VCR3	SAT Device SELECT	
TV	TV Device SELECT	VCR2	TV Device SELECT	
VCR	VCR Device SELECT	VCR1	VCR Device SELECT	
CBL	CBL Device SELECT	TAPE	CBL Device SELECT	
OFF	Power/On		Power/On	
SHIFT	Page1/Page2 SWITCH		Page1/Page2 SWITCH	
ON	Power/Off		Power/Off	
VOL+	Vol+			
VOL-	Vol-			
MUTE	Mute			
CH+	Preset+		Track+	
CH-	Preset-		Track-	
PREV CH	SCAN		EJECT	
T/V	BAND,FM/AM		RANDOM	
MENU	MODE	HALL	EDIT	
GUIDE	DISPLAY	THEATER	PROGRAM	
INFO	OSD	CATHEDRAL	DISPLAY	
EXIT	CLEAR	PARTY	CLEAR	
UP	UP	NIGHT CLUB	UP	
DOWN	DOWN	CHURCH	DOWN	
SELECT	SELECT	JAZZ	SELECT	
LEFT	LEFT	DISCO	LEFT	
RIGHT	RIGHT	OPERA/ARENA	RIGHT	
REW			Scan- / REW	
FF			Scan+ / FF	
STOP/REC			Stop	
PLAY			Play	
PAUSE			Pause	
1 / SLEEP	1	SLEEP	1	REPEAT
2 / 6.7 CH	2	5/6/7 CH	2	INTRO
3 / TEST	3	TEST	3	DISC
4 / THX	4	THX	4	TIME
5 / DD	5	DOLBY DIGITAL	5	
6 / DTS	6	DTS	6	
7 / LOGIC	7	LOGIC 7	7	
8 / ST	8	STEREO	8	
9 / SURR	9	SURR	9	
0 / TAPE 2	0	TAPE2	0	
+10 / VCR 4	+10	VCR4	+10	
ENTER / PH	Enter	PHONO	Enter	
MODE+	Mode+	BASS+	DISC1	
SUB+	Sub+	TREBLE+	DISC2	
CENTER+	Center+	SURR+	DISC3	

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 5 of 5</b>

**URC Proprietary II**

REAR+	Rear+	DELAY+	DISK SKIP+	
MODE-	Mode-	BASS-	DISC4	
SUB-	Sub-	TREBLE-	DISC5	
CENTER-	Center-	SURR-	DISC6	
REAR-	Rear-	DELAY-	DISK SKIP-	
LIGHT	Light On/Off		Light On/Off	

Buttons	Device	DVD		AUX (TAPE, LIGHT)	
		Page1	Page2	Page1	Page2
AUD	AUD Device SELECT			AUD Device SELECT	
CD	CD Device SELECT			CD Device SELECT	
DVD	DVD Device SELECT			DVD Device SELECT	
AUX	AUX Device SELECT			AUX Device SELECT	
SAT	SAT Device SELECT			SAT Device SELECT	
TV	TV Device SELECT			TV Device SELECT	
VCR	VCR Device SELECT			VCR Device SELECT	
CBL	CBL Device SELECT			CBL Device SELECT	
OFF	Power/On			Power/On	
SHIFT	Page1/Page2 SWITCH		Page1/Page2 SWITCH		
ON	Power/Off			Power/Off	
VOL+	Vol+			VOL+	
VOL-	Vol-			VOL-	
MUTE	Mute			MUTE	
CH+	Skip+	STEP+			
CH-	Skip-	STEP-			
PREV CH	EJECT				
T/V					
MENU	MENU	TOP MENU			
GUIDE	PROGRAM	SETUP			
INFO	DISPLAY	SEARCH			
EXIT	CLEAR				
UP	Up				
DOWN	Down				
SELECT	Select				
LEFT	Left				
RIGHT	Right				
REW	Scan- / REW	SLOW-	(A)REW		
FF	Scan+ / FF	SLOW+	(A)FF		
STOP/REC	Stop	REC	(A)STOP	(A)REC	
PLAY	Play		(A)PLAY	(A)PLAY BACK	
PAUSE	Pause		(A)PUASE		
1 / SLEEP	1	ANGLE	1		
2 / 6.7 CH	2	SUBTITLE ON/OFF	2		
3 / TEST	3	SUBTITLE	3		
4 / THX	4	PICTURE	4		
5 / DD	5	SURR	5		
6 / DTS	6	ZOOM	6		
7 / LOGIC	7		7		
8 / ST	8		8		
9 / SURR	9		9		
0 / TAPE 2	0		0		
+10 / VCR 4	+10		+10		

<b>No.</b>	URC-300	
<b>Rev.</b>	1	<b>Sheet 6 of 6</b>

**URC Proprietary II**

ENTER / PH	Enter	Enter	
MODE+	REPEAT	(B)FF	
SUB+	A/B REPEAT	(B)PLAY	
CENTER+	RANDOM	(B)PLAY BACK	
REAR+	RETURN	DECK A	DIRECTION A
MODE-	TITLE	(B)REW	
SUB-	TIME	(B)STOP	
CENTER-	MEMO	(B)REC	
REAR-	AUDIO/SOUND	DECK B	DIRECTION B
LIGHT	Light On/Off		Light On/Off

Buttons	SAT (PVR, TIVO)		TV	
	Page1	Page2	Page1	Page2
AUD	AUD Device SELECT		AUD Device SELECT	
CD	CD Device SELECT		CD Device SELECT	
DVD	DVD Device SELECT		DVD Device SELECT	
AUX	AUX Device SELECT		AUX Device SELECT	
SAT	SAT Device SELECT		SAT Device SELECT	
TV	TV Device SELECT		TV Device SELECT	
VCR	VCR Device SELECT		VCR Device SELECT	
CBL	CBL Device SELECT		CBL Device SELECT	
OFF	Power/On		Power/On	
SHIFT	Page1/Page2 SWITCH		Page1/Page2 SWITCH	
ON	Power/Off		Power/Off	
VOL+	Vol+		Vol+	
VOL-	Vol-		Vol-	
MUTE	Mute		Mute	
CH+	Ch+		Ch+	
CH-	Ch-		Ch-	
PREV CH	PREV CH		PREV CH	
T/V	INPUT/ANT		TV/VCR	INPUT/ANT
MENU	Menu		Menu	CAPTION
GUIDE	Guide		CH GUIDE	AUTO CH
INFO	Info		DISPLAY	CC
EXIT	Exit		CANCEL	RESET
UP	Up		Up	ADD
DOWN	Down		Down	DELETE
SELECT	Select		Select	
LEFT	Left		Left	
RIGHT	Right		Right	
REW	REW			
FF	FF			
STOP/REC	STOP	REC		
PLAY	PLAY			
PAUSE	PAUSE			
1 /SLEEP	1		1	SLEEP
2 /6.7 CH	2		2	ASPECT
3 / TEST	3		3	RGB
4/ THX	4		4	COMPO
5 / DD	5		5	MODE
6 / DTS	6		6	WIDE/SIZE
7 / LOGIC	7		7	S-VIDEO

<b>No.</b>	URC-300	
<b>Rev.</b>	1	<b>Sheet 7 of 7</b>

**URC Proprietary II**

8 / ST	8		8	VIDEO1
9 / SURR	9		9	VIDEO2
0 / TAPE 2	0		0	
+10 / VCR 4	+10		+10	
ENTER / PH	Enter		Enter	
MODE+	FAV		PIP ON/OFF (ON)	
SUB+	SEARCH		PIP SWAP	
CENTER+	FETCH		PIP POSITION (MOVE)	
REAR+	VIDEO		PIP CH+	
MODE-	ALT AUDIO		PIP OFF	
SUB-	PROGRAM		PIP SIZE	
CENTER-	HELP		PIP FREEZE	
REAR-	INTERACTIVE		PIP CH-	
LIGHT	Light On/Off		Light On/Off	

Buttons	Device	VCR		CBL	
		Page1	Page2	Page1	Page2
AUD	AUD Device SELECT			AUD Device SELECT	
CD	CD Device SELECT			CD Device SELECT	
DVD	DVD Device SELECT			DVD Device SELECT	
AUX	AUX Device SELECT			AUX Device SELECT	
SAT	SAT Device SELECT			SAT Device SELECT	
TV	TV Device SELECT			TV Device SELECT	
VCR	VCR Device SELECT			VCR Device SELECT	
CBL	CBL Device SELECT			CBL Device SELECT	
OFF	Power/On			Power/On	
SHIFT	Page1/Page2 SWITCH		Page1/Page2 SWITCH		
ON	Power/Off			Power/Off	
VOL+	Vol+			Vol+	
VOL-	Vol-			Vol-	
MUTE	Mute			Mute	
CH+	Ch+			Ch+	
CH-	Ch-			Ch-	
PREV CH	PREV CH			LAST	
T/V	VCR/TV	INPUT		BYPASS	
MENU	Menu			Menu	
GUIDE	GUIDE			Guide	
INFO	DISPLAY			Info	
EXIT	CANCEL			Exit	
UP	UP			UP	
DOWN	DOWN			DOWN	
SELECT	SELECT			SELECT	
LEFT	LEFT			LEFT	
RIGHT	RIGHT			RIGHT	
REW	Rew			REW	
FF	FF			FF	
STOP/REC	Stop	Record		STOP	RECORD
PLAY	Play	X2 PLAY		PLAY	
PAUSE	Pause	EJECT		PAUSE	
1 /SLEEP	1	SLEEP / TIMER		1	A
2 /6.7 CH	2	CLOCK/COUNT		2	B
3 / TEST	3	RESET		3	C

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 8 of 8</b>



**URC Proprietary II**

4 / THX	4	AUTO CH	4	
5 / DD	5	F.ADV	5	
6 / DTS	6	VCR PLUS	6	
7 / LOGIC	7	INDEX	7	
8 / ST	8	ADD	8	
9 / SURR	9	DELETE	9	
0 / TAPE 2	0	TAPE SPEED	0	
+10 / VCR 4	+10		+10	
ENTER / PH	Enter		Enter/MUSIC	
MODE+	SLOW		FAV	
SUB+	SLOW+		DAY+	
CENTER+	TRK+		PAGE+	
REAR+	PROGRAM		HELP	
MODE-	AUTO TRK		LOCK / PPV	
SUB-	SLOW-		DAY-	
CENTER-	TRK-		PAGE-	
REAR-	RESET		SETTING	
LIGHT		Light On/Off		Light On/Off

## 2. PROGRAMMING THE REMOTE CONTROL

Programming of the remote control to control a particular device shall be accomplished by either of two methods:

- Entering a three-digit device code
- Using a search method

The remote control can operate up to eight separate audio and video devices. To program the remote control for your device, use the following steps:

### 2.1 PREPROGRAMMED SET UP

#### 2.1.1 Entering a Three-Digit Device Code

1. Turn on the device you wish to operate manually.
2. Find the three digit Set-Up code number for your device from the code tables.
3. Press the matching [DEVICE] button (AUD, CD, DVD, AUX, SAT, TV, VCR or CBL) and [MUTE] button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
4. Point the remote control toward the device and press the three digit code number for that device using the number buttons (0-9) on the remote control. SET followed by the number will appear in the LCD. Your device will turn off when the correct Set-Up Code number has been selected. If the device does not turn off, press in the next Set-Up Code number from the list.
5. Once the device turns off, press the [DEVICE] button selected in the step 3 once again to store the Set-Up Code number. PASS will blink and display the device name.

<b>No.</b>	URC-300	
<b>Rev.</b>	1	<b>Sheet 9 of 9</b>

Note. Test the remote control for your device. Try the POWER, Channel Up and Down, Volume Up and Down buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next Set-Up code number for your device.

6. Please repeat the above steps to program the remote control for each of your other devices.

**2.1.2 Using the Auto Search Method**

1. Turn on the device you wish to operate manually.
2. Press the matching [DEVICE] button (AUD, CD, DVD, AUX, SAT, TV, VCR or CBL) and [MUTE] button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Point the remote control toward the device and press the [CH +] button on the remote control. Each button press sends the signal for one Set-Up Code number. Keeping the [CH +] button pressed produces a quick scanning of the Set-Up Code numbers. Release the [CH +] button as soon as the device turns off. Please confirm that you have the correct code by pressing the [POWER] button on the remote.

Note. If you pass the correct Set-Up Code number, you can return to it by pressing the [CH -] button, one Set-Up Code number at a time, until your device turns back on.

4. Once the correct code is confirmed, press the [DEVICE] button to store the Set-Up Code number. PASS will blink and display the device name.
5. Please repeat the above steps to program the remote control for each of your other devices.

**2.1.3 Programming a Second Device to Other Device Buttons**

This feature is used to program the remote control for two or more TVs, VCRs, etc., or to program a device into a mode with a different Device Button name. You can store the three-digit Set-Up Code number for any device into any other Device button.

Example: If your home entertainment system contains two TVs. First, using the TV Device button, program the remote via standard set-up to operate the first TV. Then, program your second TV into the AUX Button that is not being used.

1. Turn on the device [TV] you wish to operate manually.
2. Find the three-digit Set-Up code number for your device [TV] from the code tables.
3. Press the DEVICE button [AUX] that you will assign for the device and [MUTE] button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
4. Point the remote control toward the device [TV] and press the three digit code number for that device [TV] using the number buttons (0-9) on the remote control. SET followed by the number will appear in the LCD. Your device [TV] will turn off when the correct Set-Up Code number has been selected. If the device does not turn off, press in the next Set-Up Code number from the list.
5. Once the device turns off, press the DEVICE [AUX] button selected in the step 3 once again to store the Set-Up Code number. PASS will blink and display the device name.

**2.1.4 Identifying the Set Up Code Number**

To display the three-digit code number that was stored for a device.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 10 of 10</b>

1. Press the [DEVICE] button (AUD, CD, DVD, AUX, SAT, TV, VCR or CBL) and [MUTE] button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
2. Press [INFO] button. The LCD will blink the Device button name twice and then display the three digit number that was stored for your device in that mod

**2.2 LEARNING SET UP**

The remote control has the ability to learn new functions from your original remote controls:

Note1. All buttons in all device modes can learn, except the [LIGHT] and [SHIFT] buttons.

Note2. The 8 device buttons at the top of the remote control labeled (AUD, CD, DVD, AUX, SAT, TV, VCR or CBL) learn only in the AUDIO mode. In the Learning Set Up mode, you can select a [DEVICE] button by pressing the [SHIFT] and then press a [DEVICE] button.

Note3. The [RECORD] button can be learned in all device modes by pressing the [SHIFT] and then press [STOP] button. The [SHIFT] button function is not applied to other buttons except the specified buttons above in the Learning Set Up mode.

Note3. Learned functioned override any existing preprogrammed functions on the remote control.

Note4. Learned functions are automatically erased when a new function is learned on the same button.

**2.2.1 Learning New Function on the Remote**

1. Place the URC-300 and the original remote control to be learned from, on a flat surface. Line up the remote controls head to head, about 2 to 3 inches apart.
2. Press and hold the [DEVICE] button (AUD, CD, DVD, AUX, SAT, TV, VCR or CBL) you wish to learn and [SEL] button simultaneously for about three seconds, until the LCD shows LEARN. The remote is now in the learning mode.

Note: Each of the following steps must be completed within 20 seconds. If the remote does not receive any new commands with in the allotted time, it will return to its normal operating mode.

3. Press and release a button on the URC-300 you have selected to learn the new function. The LCD will show READY.
4. Press and hold the button on the original remote control for about 2 seconds from which you are learning the new function. The LCD will show ---- indicating that it is receiving the information from the original remote control.
5. Release the button on the original remote control. The LCD will show RETRY.
6. Press and hold the same button on the original remote once again, for about 2 seconds. The LCD will flash GOOD and then return to LEARN verifying that the new function has been stored. Repeat Steps 3 through 6 for any other buttons you wish to learn new functions.
7. Once you have completed the learning for all desired buttons in a device mode, store the learned functions by pressing the [DEVICE] and [SEL] buttons simultaneously, once again. The LCD will show SAVED and then return to the current device mode.

Note: If the LCD shows FAIL at any time during the learning process, the remote was unable to learn the new functions. Please repeat from Step 3.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 11 of 11</b>

## 2.2.2 Erasing Learned Functions

To erase learned functions, please refer to the following procedures:

### 2.2.2.1 Erasing Individual Buttons:

1. Press the [DEVICE] button for the mode where the learned function has been stored.
2. Press and hold the [DEVICE] and [SEL] buttons simultaneously for about three seconds, until the LCD shows LEARN. The remote is now in the learning mode.
3. Press and release the button to be erased. The LCD will show READY.
4. Press the [SHIFT] button. The LCD will flash ERASE, CLEAR, the device name and then return to LEARN. Repeat Steps 3 and 4 for any other buttons to be erased.
5. To return to the normal operating mode, press the [DEVICE] and [SEL] buttons simultaneously.

### 2.2.2.2 Erasing All Buttons in One Device Mode:

1. Press the [DEVICE] button for the mode where the learned function has been stored.
2. Press and hold the [DEVICE] and [SEL] buttons simultaneously for about three seconds, until the LCD shows LEARN. The remote is now in the learning mode.
3. Press and hold the [DEVICE] and [SHIFT] buttons simultaneously for five seconds until the LCD will flash ERASE. The LCD will flash ERASE 10 times and then alternately CLEAR and the Device Mode.

### 2.2.2.3 Erasing All Buttons in All Device Modes

1. Press and hold the [TV] and [SHIFT] buttons simultaneously for ten seconds until the LCD will flash ERASE. The LCD will flash ERASE 10 times and then flash CLEAR and then return to the TV Device Mode.

Note: When the LCD on the remote returns to TV, all the learned functions in all eight devices mode have been erased. All the buttons in all device modes will now operate with the preprogrammed functions in their respective modes.

## 2.3 PUNCH THROUGH

### 2.3.1 Volume Control “Punch Through”

You can program the remote control so that either the AUDIO or TV volume control (Volume Up, Down and MUTE) will also operate in other modes on the remote control.

Example: If you want to operate Volume control of Audio receiver while remote control is in the Satellite mode.

1. Select the mode [SAT] that you wish to program for Volume Control “Punch Through”.
2. Press the corresponding DEVICE button [SAT] and [MUTE] buttons simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Press the [SHIFT] button. PUNCH will appear in the LCD.
4. Press the [VOL UP] button. VOL will appear in the LCD.
5. Press the [AUDIO] device button to set-up for Audio volume control. AUDIO will blink in the LCD.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 12 of 12</b>

**2.3.2 Channel Control “Punch Through”**

You can program the remote control so that either the SAT or Cable Channel Controls (CH Up and Down) will also operate in other modes on the remote control.

Example: Change Channel Up and Down on your Cable box while the remote is in the TV mode.

1. Select the mode [TV] that you wish to program for Channel Control “Punch Through”.
2. Press the corresponding DEVICE button [TV] and [MUTE] buttons simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Press the [SHIFT] button. PUNCH will appear in the LCD.
4. Press the [VOL Down] button. CH will appear in the LCD.
5. Press the [CABLE] device button to set-up for Cable channel control. CABLE will blink in the LCD.

**2.3.3 Transport Control “Punch Through”**

You can program the remote control so that either the DVD or CD Transport Controls (Play, Stop, FF, Rewind, Pause and Record) will also operate in other modes on the remote control.

Example: Control DVD functions while the remote is in the TV mode.

1. Select the mode [TV] that you wish to program for Transport Control “Punch Through”.
2. Press the corresponding DEVICE button [TV] and [MUTE] buttons simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Press the [SHIFT] button. PUNCH will appear in the LCD.
4. Press the [PLAY] button. PLAY will appear in the LCD.
5. Press the [DVD] device button to set-up for DVD Transport control. DVD will blink in the LCD.

**2.3.4 VOD Control “Punch Through”**

You can program the remote control so that either the Cable or Satellite VOD Controls (Menu, Guide, Info, Exit, Select, Up, Down, Left, Right) will also operate in other modes on the remote control.

Example: Control Cable VOD functions while the remote is in the TV mode.

1. Select the mode [TV] that you wish to program for Transport Control “Punch Through”.
2. Press the corresponding DEVICE button [TV] and [MUTE] buttons simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Press the [SHIFT] button. PUNCH will appear in the LCD.
4. Press the [GUIDE] button. VOD will appear in the LCD.
5. Press the [CABLE] device button to set-up for Cable VOD control. CABLE will blink in the LCD.

**2.3.5 Power Control “Punch Through”**

You can program the remote control so that either the TV or Audio Power Controls (Power On and Off) will also operate in other modes on the remote control.

Example: Control Cable Power function while the remote is in the TV mode.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 13 of 13</b>

1. Select the mode [TV] that you wish to program for Power Control “Punch Through”.
2. Press the corresponding DEVICE button [TV] and [MUTE] buttons simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
3. Press the [SHIFT] button. PUNCH will appear in the LCD.
4. Press the [Power ON] button. Power will appear in the LCD.
5. Press the [CABLE] device button to set-up for Cable Power function. CABLE will blink in the LCD.

**2.4 MACRO MEMORY BUTTONS**

There are ten memory buttons (Power On, Off and 8 Device buttons) that are designed to store up to 30 commands in each button. You can program up to 30 commands on the 8 Device buttons in AUDIO mode and you can program up to 30 commands on the Power On and OFF buttons in each 8 modes.

**2.4.1 Programming Memory Buttons**

Example: To program Memory button, POWER ON, in the Audio mode to send the following commands: to turn on the AUDIO receiver, turn on the TV, turn on the VCR and turn on the Satellite receiver.

1. Press the corresponding DEVICE button [AUD] and MUTE button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
2. Press the [POWER ON] button. M1-## will appear in the LCD.
3. Press the [AUDIO] device button and then press the [POWER ON] button (to turn on the AUDIO). M1-01 will appear in the LCD.
4. Press the [TV] device button and then press the [POWER ON] button (to turn on the TV). M1-02 will appear in the LCD.
5. Press the [VCR] device button and then press the [POWER ON] button (to turn on the VCR). M1-03 will appear in the LCD.
6. Press the [SAT] device button and then press the [POWER ON] button (to turn on the Satellite). M1-04 will appear in the LCD.
7. Press the [Channel Up] button to store your selections. SAVE will flash two times in the LCD.

Note1: Pressing the [PAUSE] button during the macro programming will add a time delay of 0.2 seconds between the commands.

Note2: Press & Hold function: Pressing the [PAUSE] button before the macro programming will make that the remote will send out the macro commands when the button is pressed for 1 second.

**2.4.2 Erasing Memory Buttons**

1. Press the corresponding DEVICE button [AUD] and [MUTE] button simultaneously. The SET will appear in the LCD. SET appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while SET appears in the LCD.
2. Press the [POWER ON] button. M1-## will appear in the LCD.
3. Press the [Channel Up] button. SAVE will flash two times in the LCD.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 14 of 14</b>

## 2.5 CHANGING THE LCD DISPLAY

You can change the display for each Device name of the remote control. To change the AUDIO device name:

1. Press the [AUDIO] device button and [ENTER] button simultaneously for three seconds. The EDIT will appear in the LCD and then “A” character of AUDIO will blink in the LCD.
2. Select the character using the number pad on the remote control. The characters assigned to each number pad button are shown below. It will be rotated to a different character each time the same number pas is pressed.

#1: A, B, C, 1.

#2: D, E, F, 2

#3: G, H, I, 3

#4: J, K, L, 4

#5: M, N, O, 5

#6: P, Q, R, 6

#7: S, T, U, 7

#8: V, W, X, 8

#9: Y, Z, 9

#0: #, &, 0

Note: You can move the cursor left or right by using the [CURSOR LEFT] and [CURSOR RIGHT] buttons. You can also erase a current character by pressing the [CURSOR DOWN] button.

3. Press the {ENTER} button to save the display you changed. SAVE will blink two times in the LCD.

## 2.6 BACK LIGHT

All the buttons and the LCD on the remote are back light for 10 seconds when the LIGHT button is pressed. The back light is extended a n additional 10 seconds with any button press while the back light is on.

Note: The back light is turned off by pressing the LIGHT button while the back light is on.

## 2.7 LOW VOLTAGE MESSAGE

When the LCD flashes “L-BAT”, the batteries should be replaced.

## 2.8 FACTORY RESET

Pressing the [POWER OFF] and [STOP] buttons for 10 seconds will erase all learned and pr-programmed programs in the remote control and reset it to the factory default state. The LCD will blink “ERASE” 9 times, clear and then AUDIO.

<b>No.</b>		URC-300
<b>Rev.</b>	1	<b>Sheet 15 of 15</b>

**3. BRAND LIST FOR EACH DEVICE**

<b>No.</b>	URC-300	
<b>Rev.</b>	1	<b>Sheet 16 of 16</b>