

# UNIVERSAL REMOTE CONTROL

## Model RT-U35/U37

### EASY 1-2-3 PROGRAMMING and OPERATING INSTRUCTIONS

Please read before using this equipment  
and save this for future reference.

#### General

This universal remote control operates three devices - a CATV converter (scrambler), TV, and VCR. It is designed to perform many of the same functions as your original remote controls.

Before you can use this unit, it must be programmed (set-up) to operate the devices mentioned above. To help you with its set up, it's equipped with a small red light that's located at the top of the remote. This light also blinks when the remote is in use and stops blinking when the batteries need to be replaced.

This manual describes the steps necessary to set up this remote control, as well as other helpful information on its use and operation. Whether you're programming or using this remote, everything is as easy as 1-2-3.

#### Batteries

This remote control operates on two AAA batteries. Open the battery cover on the back of the remote and install the batteries making sure to properly match the "+" and "-" ends of the batteries with the "+" and "-" terminals. Proper battery placement can be verified by looking at the diagram in the battery compartment.

Under normal use, battery life should be approximately 1 year with non-alkaline type batteries. Once the batteries are dead, the remote will retain its programmed settings for 1 year and longer provided they are not removed. Once the batteries are removed for replacement, the remote will retain its programming codes for approximately 1 hour.

#### Programming The Remote To Operate Your CATV Converter, TV or VCR

Programming this remote is easy as 1-2-3 by either of two methods:

##### Code Number Entry

1. Turn on the device you wish the remote to operate. Device=CATV converter, TV or VCR.
2. On the remote, press the same DEVICE (CATV,TV,VCR) button, then MUTE button -hold both down until the red light comes on.
3. Point the remote toward the device and enter a 3-digit code that corresponds to your brand (refer to code lists in instructions). If the device turns off, you're all set. Press the DEVICE button to lock in the code. The red light will blink twice to confirm storage of the code.

If the device doesn't turn off, enter the next 3-digit code listed for that device until you are successful.

If all the codes have been entered without turning off the device, refer to the Point and Press™ method.

##### Point and Press™

1. Turn on the device you wish the remote to operate. Device=CATV converter, TV or VCR.

2. On the remote, press the same DEVICE (CATV, TV, VCR) button, then MUTE button -hold both down until the red light comes on.
3. With the remote pointed toward the device, press and hold the CH "+" (CH ▲) button until the device turns off. As soon as the device turns off, release the CH "+" (CH ▲) button and press the POWER button to confirm if the correct has been found. If the device turns on, you are all set. Press the DEVICE button to lock in the code.

If the device doesn't turn back on, you may have gone past the correct matching code. You can return to the correct code by pressing the CH "-" (CH ▼) key until the device turns on. Once the correct code has been confirmed, press the DEVICE button to lock in the code.

#### Programming a Second TV To The VCR Function

Instead of programming this remote to operate a VCR, a second TV can be assigned to the VCR device button.

1. Turn on the second TV.
2. Press the VCR button, then MUTE button -hold both down until the red light comes on.
3. Press the TV button. Follow the same programming instructions above for either Code Number Entry or Point and Press™ method.

#### Programming Special Features

After the remote has been set up to operate your respective CATV, TV, and VCR devices, several special features can be programmed to simplify its operation.

##### Hot Buttons (RT-U35 only)

Hot buttons allow transmission of up to 10 commands with one button push. Any 10 functions (except CH+/- (CH ▲/▼), VOL+/-, and mute) can be programmed into either Hot button in any device mode.

For example, to program Hot 1 in the CATV mode to turn on the CATV, then TV, then set the TV to channel 3:

1. Press the CATV button, then MUTE button -hold both down until the red light comes on.
2. Press the HOT 1 button.
3. Press the POWER button.
4. Press the TV button.
5. Press the POWER button.
6. Press the "0" button.
7. Press the "3" button.
8. Press the CH "+" button to store these selections. The red light will blink twice to confirm storage.

Any time the Hot 1 button is now pressed in the CATV mode, the remote will transmit a series of commands that turns on the CATV device, then the TV, then sets the TV to channel 3.

In addition to a series of commands, the Hot buttons can also be programmed to a favorite channel.

##### Punch Through TV Volume

The remote can be programmed so that the TV volume will supersede your respective device volumes regardless of operating mode.

To program punch through TV volume:

1. Press the DEVICE (CATV,VCR) button, then MUTE button -hold both down until the red light comes on.
2. Press the VOL "+" button, then #1 button -the red light will blink to confirm storage of this setting.

Repeat steps 1 and 2 for any other device mode you wish to program punch through TV volume in.

To return volume control to the original devices:

3. Press the DEVICE (CATV,VCR) button, then MUTE button -hold both down until the red light comes on.
4. Press the VOL "+" button, then #3 button -the red light will blink to confirm storage of this setting.

Repeat steps 3 and 4 for any other device modes you wish to return volume control to.

#### Punch Through VCR control

The remote can be programmed so that the VCR control buttons (play, stop, fast forward, rewind, record and fast play) will operate when the remote is in the CATV or TV mode.

To program punch through VCR control:

1. Press the DEVICE (CATV, TV) button, then MUTE button -hold both down until the red light comes on.
2. Press the VOL "+" button, then #4 button -the red light will blink to confirm storage of this setting.

Repeat steps 1 and 2 for any other device mode you wish to program punch through VCR control in.

To return each device mode to its original setting:

3. Press the DEVICE (CATV,VCR) button, then MUTE button -hold both down until the red light comes on.
4. Press the VOL "+" button, then #6 button -the red light will blink to confirm storage of this setting.

Repeat steps 3 and 4 for any other device you wish to return to its original setting:

#### Channel Change Capability in TV Mode

By default, these remotes do not allow channel change capability in the TV mode. However, you can reprogram these remotes to change channels in the TV mode:

To enable channel change capability in the remote's TV mode:

1. Press the TV button, then MUTE button -hold both down until the red light comes on.
2. Press the VOL "+" button, then #7 button -the red light will blink to confirm storage of this setting.

To disable channel change capability in the remote's TV mode:

3. Press the TV button, then MUTE button -hold both down until the red light comes on.
4. Press the VOL "+" button, then #8 button -the red light will blink to confirm storage of this setting.

#### Helpful Programming Tips

1. To identify the code that's been stored under the Point and Press™ method.
  - a. Press the device (CATV, TV, VCR) button, then MUTE button -hold both down until the red light comes on.
  - b. Press the VOL "-" button and count the number of times the red light blinks for each digit of the code. Between each digit of the code, the red light will not blink.

Example: For the 3-digit code "023", the red light will blink 10 times, then 2 times, then 3 times, with a 1 second (non-blinking) interval between each digit.

2. The red light will be on constantly while you're in a programming mode. Programming must be done while the red light is on. In the absence of any entry, it will go off in 20 seconds.

At the conclusion of programming, the red LED will blink twice to confirm code storage.

3. When using the Point and Press™ method, you may find a code that turns your device(s) off but not back on. If this happens, the correct code has not been matched. Continue searching for the proper code until you can turn the device(s) both off and back on.

4. Scientific Atlanta 8500 series converters are turned on with the CH +/- (CH ▲/▼) button on the remote. When using the Point And Press™ method to program these models, start with the converter turned off (instead of ON as in step 1 above) and wait for the remote to turn it on.

#### Using The Remote Control

Once the remote control has been programmed, using it is easy as 1-2-3.

1. Press the button for the "DEVICE" you wish to operate - CATV converter, TV or VCR.
2. Point the remote toward the device and press the POWER button to turn the device on.

3. Press the button(s) for the functions you wish to operate as follows:

**CATV**- All converter functions including power, channel, volume, on-screen menus, etc.

**TV** - Power, volume, mute TV/VCR, recall, sleep timer. Channel change capability can be user-programmed.

**VCR** - Power, play [▶], stop [■], fast-forward [▶▶], fast-play [▶▶▶], rewind [◀◀], pause [||], record [●]. Punch through TV volume in the VCR mode can be user-programmed.

The red light will blink each time a key is pressed indicating the batteries are in good condition. When it no longer blinks, the batteries should be replaced.

For CATV converter operation, refer to the instructions that come with the converter.

**Specifications**

Operating Distance: Approximately 30 ft, depending on the devices.

Power Requirements: Two AAA, alkaline type are not necessary.

Battery Life: Approximately 10 months, depending on usage.

Battery Replacement: Programming codes will be retained provided new batteries are installed within 1 Hour of removal of old batteries.

Dimensions: 2.3" x 7.2" x 0.8"

weight : 3.1 ounces (without batteries)

**THREE DIGIT CODE LISTS**

CATV		
Maker (Brand) Name	Three Digit Number	Converter Models
GE	072	MMDS / ITFS
HAMLIN	055	CRX-5000
	050	CR-6000(6B)
	103	CR 6600, CR 6800, CR 83
JERROLD	001	CFT 2200 (RT-U37)
	115	CFT 2000, WNR
	040	DRZ
	101	DL4, DP5/V5, DP7/V7, DQN, DQNV, DPBB
	113	DRX
NSC	071	IM781R
	073	IM781
OAK	053,112	RKDM, RTC56
	109,110	SIGMA 450,500,550
	037	SIGMA ONE P1,P2, & P3 SIGMA 2000
	105	SIGMA 2001 & 2002
PANASONIC	044	140,145,170 & 175 SERIES
	047	110,120,130,150, & 160 SERIES
PIONEER	034	BC4100,4200,4500,BA5000 SERIES
	102	BC4600 & BA6000 SERIES
	051	SOME MODELS
PRIMESTAR	009	DSS (RT-U37)
REGENCY	057	ALL MODELS
SCIENTIFIC ATLANTA	046	SA8500
	106	ALL 85XX SERIES EXCEPT 8500, 8540,8570 & 8590
	042	8540,8570 & 8590
	011	8600
	002	8600X (RT-U37)
TOCOM	003	5503VIP & 5507,5508
	039	5503A
ZENITH	108,033	ALL MODELS
	008	MM2500 (RT-U37)

\*Additional Functions For Jerrold CFT 2200.  
 "P"Function: Press "CATV" button and "INFO" button simultaneously.  
 "PPV"Function: Press "CATV" button and "GUIDE" button simultaneously.

TV		
Maker (Brand) Name	Code Number (3 digit)	List
ADMIRAL	072 081 161	
A MARK	112 143	
AKAL	001 146	
AMPRO	167 157	
AMSTRAD	052	
ANAM	043 054 056 080 104 108 112 055 118 121	
AOC	001 004 112 058	
BLAUPUNKT	088	
CANDLE	001 002 003 004	
CAPEHART	058	
CETRONIC	043	
CITIZEN	001 002 003 004 043 101 103 143	
CLASSIC	043	
CONCERTO	004	
CONTEC	043 050 051	
CORONADO	143	
CRAIG	043 054	
CROWN	043 143	
CURTIS MATHES	101 143 001 004	
CXC	043	
DAEWOO	004 044 055 071 076 103 107 111	
	114 117 120 123 125 127 136 143	
DAYTRON	004 143	
DYNASTY	043	
DYNATECH	062	
ELECTROHOME	077 143 024	
EMERSON	028 048 043 155 005 096 047	
FISHER	007 057	
FUNAL	028 043	
FUTURETECH	043	
GE	160 144 165 161 157 130 161 001	
	008 009 034 056 074 155 004	

TV		
Maker (Brand) Name	Code Number (3 digit)	List
GOLDSTAR(LG)	102 106 110 112 004 122 127 143	
HALL MARK	004	
HITACHI	011 007 158 143 004 010 012 023 075	
INFINITY	164	
INKEL	129	
JBL	164	
JCPENNY	001 008 030 065 101 160 004 024 143	
JENSEN	013	
JVC	038 083 034 070	
KENWOOD	001 070	
KLOSS	002 059	
KMC	143	
KTV	043 001 143 154	
LODGENET	072	
LOGIK	072	
LUXMAN	004	
LXI	007 015 164 160 081 052	
MAGNAVOX	164 059 001 003 060 061 063 064 004 022 127	
MARANTZ	001 164	
MATSUI	164	
MEMOREX	007 072 004	
METZ	088	
MGA	024 001 004 028 042	
MINERVA	088	
MITSUBISHI	109 024 004 040 146 042	
MTC	001 101 004 062	
NAD	015 025	
NEC	001 130 134 040 056 019	
NIKEI	043	
ONKING	043	
ONWA	043	
OPTONICA	019 081	
PANASONIC	034 080 056 164	

TV		
Maker (Brand) Name	Code Number (3 digit)	List
PHILCO	001 003 024 056 059 060 063 064 164 004	
PHILIPS	164 038 093 001 003 005 127 059	
PIONEER	025 023 004	
PORTLAND	004 143	
PROTON	004 112 171 143 058 173	
PROSCAN	144 160 161 165	
QUASAR	034 056	
RADIO SHACK	019 043 127 004 143	
RCA	160 161 165 065 156 144 001	
	004 023 024 056 074 152	
REALISTIC	007 019 043 047	
RUNCO	078 169	
SAMPO	001 058 004	
SAMSUNG	050 089 101 105 160 004 127 133 143	
SANYO	007 057 082 020 053	
SCOTT	028 043 004 143 048	
SEARS	015 030 165 004 007 028 057 143 094 160 082	
SHARP	081 019 028 014 004 022 143	
SIEMENS	008	
SIGNATURE	072	
SONY	070 126 085 139	
SOUNDESIGN	028 003 004 043	
SPECTROCON	112	
SSS	004 043	
SUPRE MACY	002	
SYLVANIA	001 003 059 060 063 064 164 160 127	
TANDY	081	
TATUNG	056 062	
TECHNICS	080 034	
TECHWOOD	004	
TEKNIKA	002 003 004 024 028 043 072 101 143	
TELERENT	072	
TERA	172	

TV		
Maker (Brand) Name	Code Number (3 digit)	List
TMK	004	
TOSHIBA	015 030 040 062 101	
TOTEVISION	143	
UNIVERSAL	008 009	
VIDEO CONCEPTS	146	
VIDTECH	004	
WARDS	004 008 009 019 028 060 061	
	063 064 164 072 074 143	
YAMAHA	001 004	
YORK	004	
YUPITERU	043	
ZENITH	072 157 095 103	
ZONDA	112	

VCR		
Maker (Brand) Name	Code Number (3 digit)	List
AIWA	034	
AKAI	146 043 046 125 142 016	
AMPRO	072	
ANAM	031 103	
AUDIO DYNAMICS	012 023 039 043	
BROKSONIC	035 037 129	
CANON	028 031	
CAPEHART	108	
CRAIG	003 040 022	
CURTIS MATHES	031 041	
DAEWOO	005 007 010 064 108 110 111 017	
DAYTRON	108	
DBX	012 023 039 043	
DYNATECH	034 053	
ELECTROHOME	059	
EMERSON	006 029 035 025 027 034 036 037	
	046 101 129 131 138 017 031 153	
FISHER	003 010 008 009	
FUNAL	034	
GE	031 072 144 147 063 040 019	
GO VIDEO	132 136	
GOLDSTAR(LG)	012 004 020 101 114 123	
HARMAN KARDON	012 045	
HITACHI	004 026 034 043 047 063 137 018	
INSTANTREPLAY	031	
JCL	031	
JCPENNY	012 004 015 031 040 101	
JENSEN	043	
JVC	048 043 130 047 050 055 060 012	
KENWOOD	014 034 047 048	
LLOYD	034	
LXI	034 003 009 017 101 004	
MAGIN	040	

VCR		
Maker (Brand) Name	Code Number (3 digit)	List
MAGNAVOX	067 031 034 041 068	
MARANTZ	031 067 012 069	
MARTA	101	
MATSUI	027 030	
MEI	031	
MEMOREX	101 003 010 014 031 034 053	
	072 139 134 040	
MGA	045 046 059	
MINOLTA	004 020	
MITSUBISHI	059 061 046 051 142 004 020	
MTC	034 040	
MULTITIECH	024 034	
NEC	012 023 043 048 039	
NORDMENDE	043	
OPTONICA	053 054	
PANASONIC	031 070 133 140	
PENTAX	004 020 031 063	
PHILCO	031 034 067	
PHILIPS	031 067 034 101 054 071	
PILOT	101	
PIONEER	021 048 004	
PORTLAND	108	
PULSAR	072	
QUARTZ	001 014	
QUASAR	031 075	
RADIO SHACK	123	
RCA	040 109 144 147 031 041 004	
	020 034 140 107	
REALISTIC	003 008 010 014 031 034 040 053 054 101	
RICO	058	
RUNCO	072	
SALORA	014	
SAMSUNG	032 040 104 109 017 113 115 122 125	

VCR		
Maker (Brand) Name	Code Number (3 digit)	List
SANSUI	022 043 048	
SANYO	003 010 014 134 007 040	
SCOTT	017 037 129 131	
SEARS	003 008 010 004 014 081 101 009 017	
SHARP	053 031 054	
SHINTOM	024	
SONY	056 057 058 003 053 052 031	
SOUNDESIGN	034	
STS	004	
SYLVANIA	031 059 034 067	
SYMPHONIC	034	
TANDY	010 034	
TATUNG	039 043	
TEAC	034 039 043	
TECHNICS	031 070	
TEKNIKA	031 059 034 067	
THOMAS	034	
TMK	006	
TOSHIBA	017 131 008 047 059 082 042 009 004	
TOTEVISION	040 101	
UNITECH	040	
VECTOR RESEARCH	012	
VICTOR	048	
VIDEO CONCEPTS	012 046 034 141	
VIDEOSONIC	040	
WARDS	004 024 031 034 040 053 054 003 017 131	
YAMAHA	012 043 034 039	
ZENITH	072 080 056 048 034 101 058	