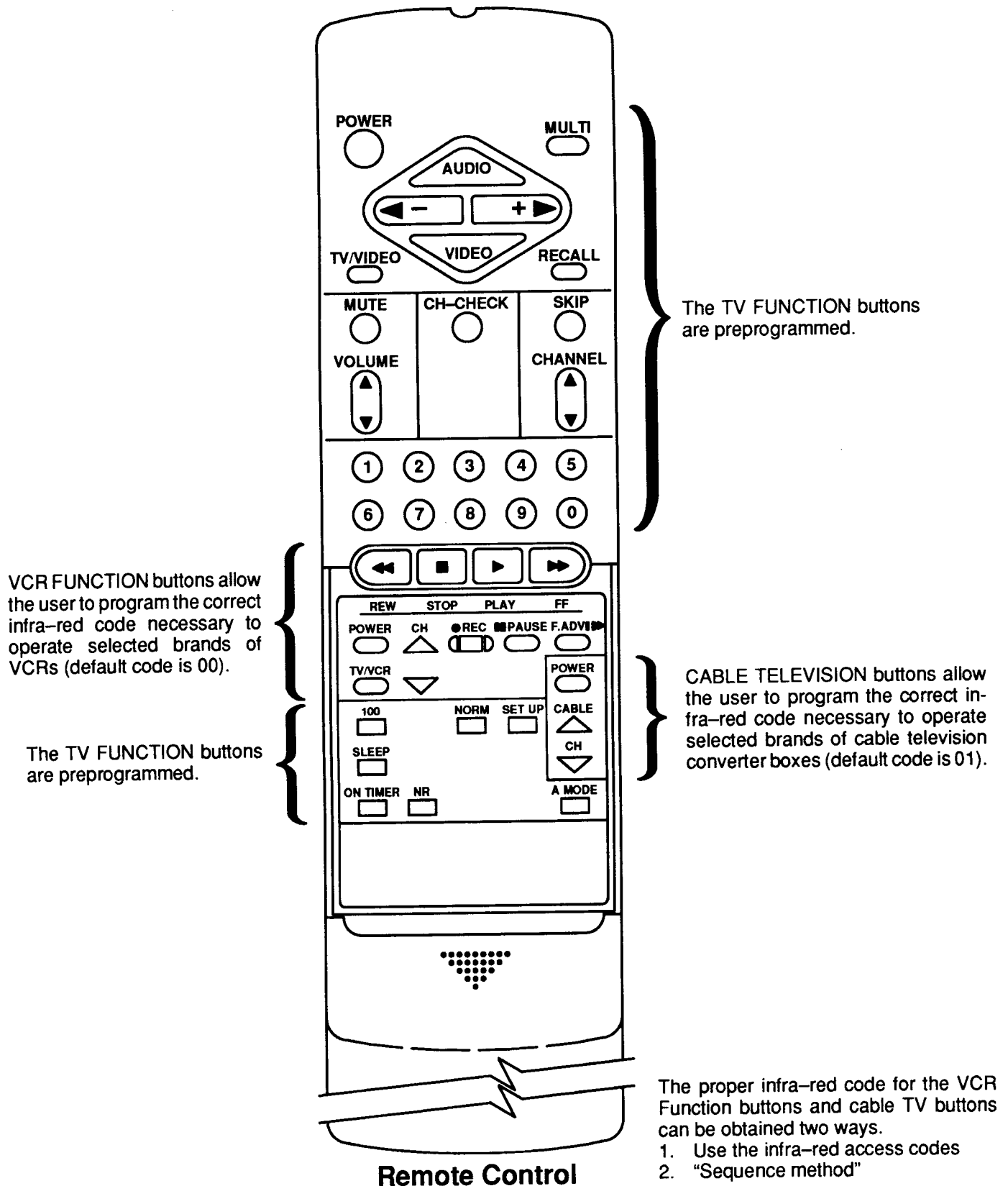


Programming The Universal Remote Control

The Universal infra-red Remote Control supplied is capable of operating many brands of VCRs and Cable Television Converter boxes which operate with an infra-red Remote Control.

This allows you the advantage of needing only one remote to operate the TV, VCR and Cable Television Converter box.

NOTE: The Universal Remote Control memory is limited. Some models of VCRs or Cable Television Converter boxes may not operate. The Universal Remote Control is not designed to control all features that are available in all models.



The proper infra-red code for the VCR Function buttons and cable TV buttons can be obtained two ways.

1. Use the infra-red access codes
2. "Sequence method"

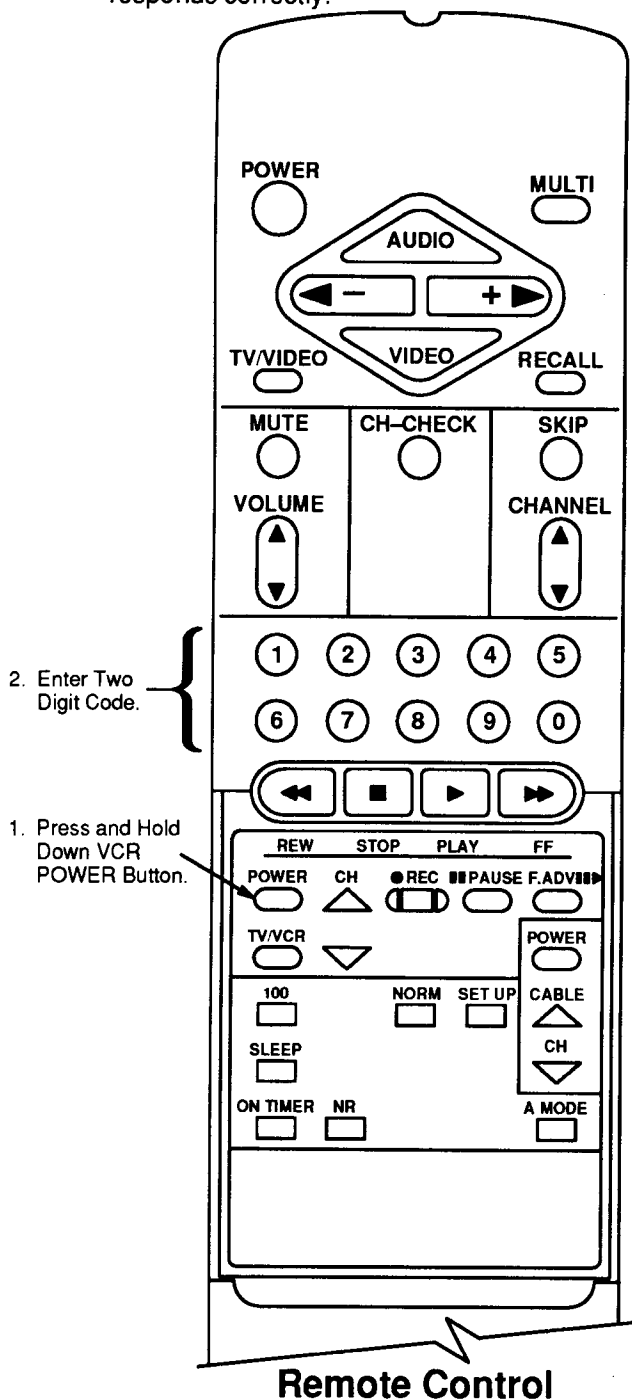
Preferred Procedure – Code Known Programming Universal Remote Using Infra-Red Access Codes for VCRs

- Determine brand of VCR.
- Identify code(s) associated with the brand in the infra-red code index for VCRs (located in this manual).

Procedure

1. Press and hold VCR POWER button down on Universal Remote.
2. Enter two digit code using keyboard "0" through "9" buttons. The Universal Remote is now programmed.

NOTE: Some brands have multiple codes, repeat procedure using each code listed until VCR responds correctly.



Alternate Procedure – Code Unknown Programming Universal Remote Using the "Sequence Method" for VCRs

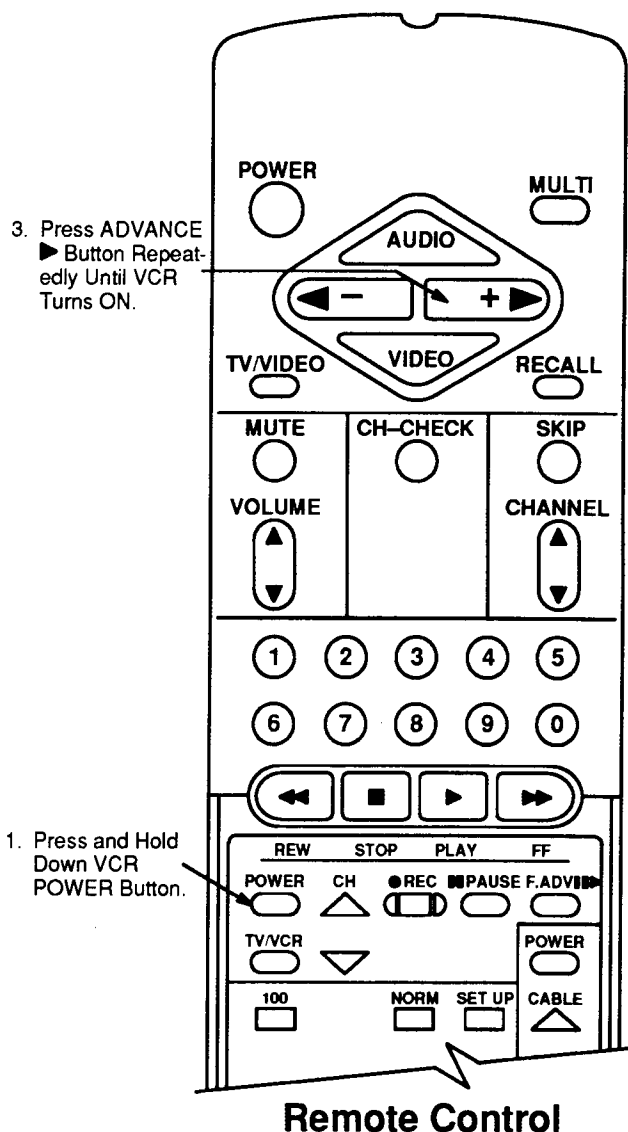
- Confirm VCR is plugged in and operating properly, then turn OFF.

Procedure

1. Press and hold the VCR POWER button down on Universal Remote.
2. Press ADVANCE ► button repeatedly. Check for the VCR to turn ON after each press. Stop pressing the button when the VCR turns ON. The proper infra-red code has now been accessed.

NOTE:

1. It may take as many as 35 attempts before the correct code is found.
2. The ADVANCE ◀ button can be used to return to a code that was accidentally passed by.
3. Some Remote Controls may have unique operating functions for some buttons. For Example: The POWER button may only turn the VCR OFF as opposed to both ON and OFF. It will then be necessary to modify the procedure. Turn the VCR ON and repeatedly press the ADVANCE ► button until the VCR turns OFF.



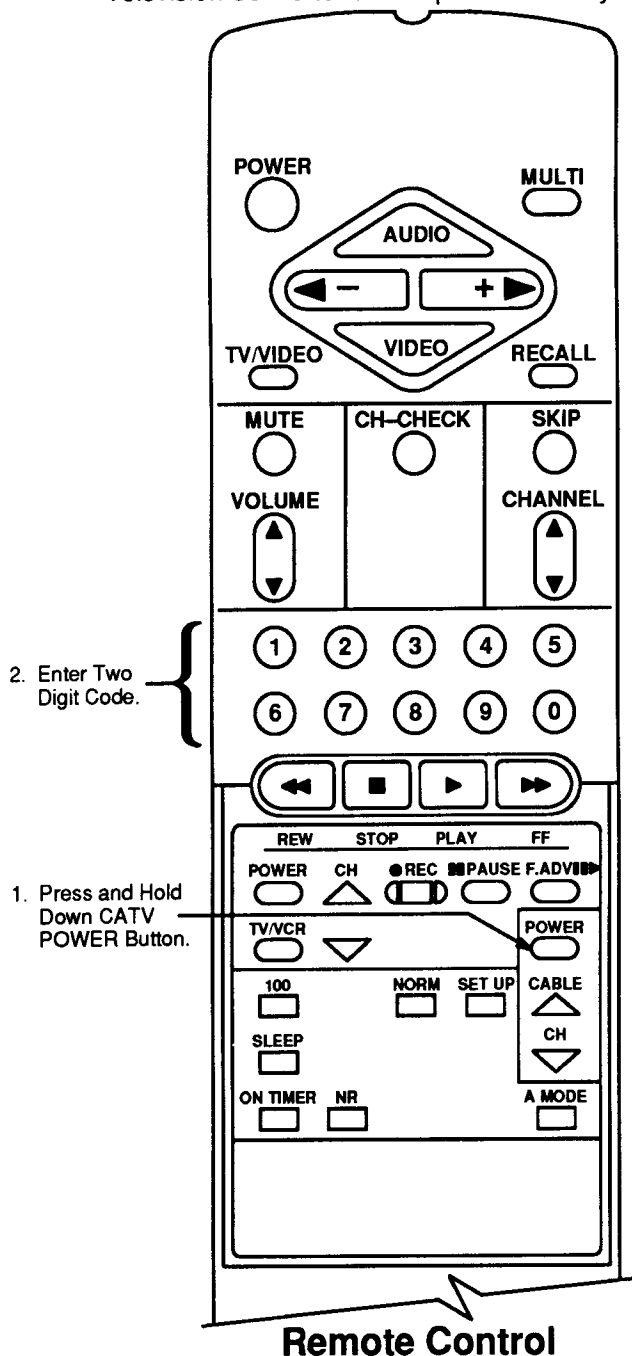
Preferred Procedure – Code Known Programming Universal Remote Using Infra-Red Access Codes for Cable Television Converter Boxes

- Determine brand of Cable Television Converter.
- Identify code(s) associated with the brand in the infra-red code index for Cable Television Converter boxes (located in this manual).

Procedure

1. Press and hold the CABLE TV POWER button down on Universal Remote.
2. Enter two digit code using keyboard "0" through "9" buttons. The Universal Remote is now programmed.

NOTE: Some brands have multiple codes, repeat procedure using each code listed until Cable Television Converter box responds correctly.



Alternate Procedure – Code Unknown Programming Universal Remote Using the "Sequence Method" for Cable Television Converter Boxes

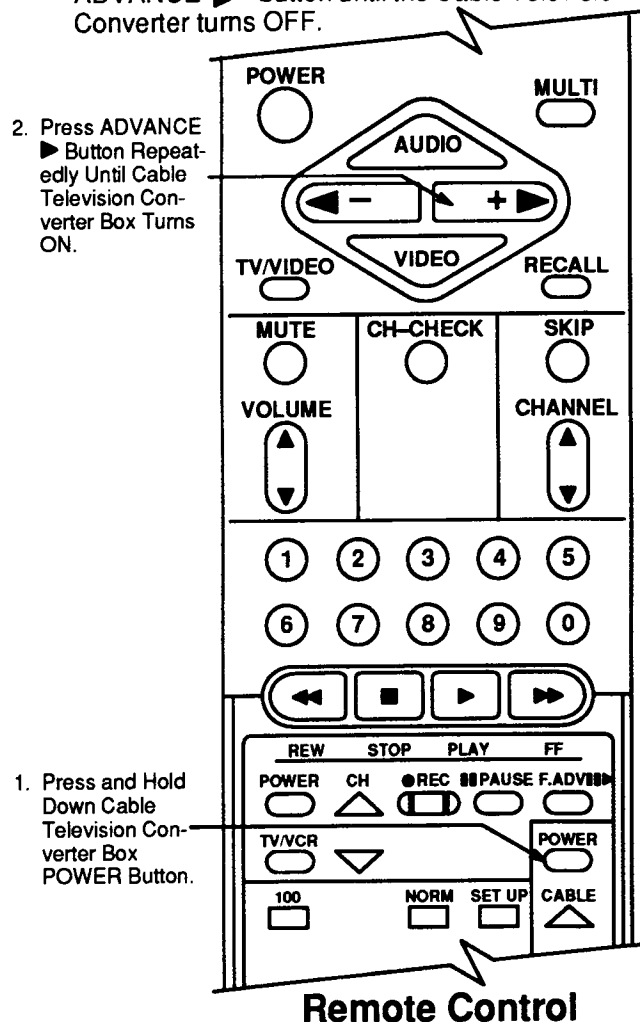
- Confirm Cable Television Converter box is plugged in and operating properly, then turn OFF.

Procedure

1. Press and hold the CABLE TV POWER button down on Universal Remote.
2. Press ADVANCE ► button repeatedly. Check for the Cable Television Converter to turn on after each press. Stop pressing the button when the Cable Television Converter turns on. The proper infra-red code has now been accessed.

NOTE:

1. It may take as many as 10 attempts before the correct code is found.
2. The ADVANCE ◀ button can be used to return to a code that was accidentally passed by.
3. Some Remote Controls may have unique operating functions for some buttons. For Example: The POWER button may only turn the Cable Television Converter OFF as opposed to both ON and OFF. It will then be necessary to modify the procedure. Turn the Cable Television Converter ON and repeatedly press the ADVANCE ► button until the Cable Television Converter turns OFF.



Infra-Red Code Index For VCRs

VCR Brand	Code(s)	VCR Brand	Code(s)
Audio Dynamics	14, 16	NEC	02, 14, 16, 30
Broksonic	10	Panasonic	00
Canon	00	Pentax	05
Capehart	01	Philco	00, 29
Citizen	09	Philips	00, 29
Craig	12	Pioneer	05
Curtis Mathes	00, 08, 15	Quasar	00
DBX	14, 16	RCA	05, 07, 08, 28, 35
Emerson	10, 20, 34, 35, 36, 37	Realistic	00, 02, 06, 12, 15
Fisher	12, 18, 19	Samsung	07, 32
Funai	15	Sanyo	02, 12
GE	00, 07, 08, 32	Scott	04, 13, 33, 36
Goldstar	09	Sears	02, 05, 18, 19
Hitachi	05, 35, 36	Sharp	06, 24
Instant Replay	00	Sony	17, 26, 33, 34
JCPenney	00, 02, 05, 14, 16, 30	Sylvania	00, 29
JVC	02, 14, 16, 30	Symphonic	15
Kenwood	02, 14, 16, 30	Tashiko	09
Magnavox	00, 29	Tatung	30
Marantz	02, 14, 16, 29, 30	Teac	15, 30
Marta	09	Teknika	21
Memorex	00, 12	Toshiba	05, 13
MGA	04, 27	Vector Research	14, 16
Minolta	05	Video Concepts	14, 16
Mitsubishi	04, 27	Wards	06
Montgomery Ward	06	Yamaha	02, 14, 16, 30
Multitech	07, 15, 32	Zenith	11, 17

Infra-Red Code Index For Cable Television Converter Box

Brand of Cable-TV Box	Code(s)	Brand of Cable-TV Box	Code(s)
Oak	14, 16	RCA	27
Oak Sigma	16	Scientific Atlantic	03, 22
Panasonic	27, 39	Zenith	01, 42

NOTE: The Universal Remote Control memory is limited. Some models of VCRs or Cable Television Converter boxes may not operate. The Universal Remote Control is not designed to control all features that are available in all models.