

ONE FOR ALL KAMELEON 8-DEVICE REMOTE

SETUP CODES FOR HOME-THEATER-IN-A-BOX SYSTEMS (RECEIVER CODES)

Aiwa	1388
Anam	1609
Apex Digital	1257
Audiovox	1390
Coby	1389
Integra	1298
JBL	1306
JVC	1374
KLH	1390
Koss	1366
Norcent	1389
Onkyo	0135, 1298, 0842
Oritron	1366
Philips	1269
Pioneer	1384
Polk Audio	0539
RCA	1609, 1390
Rio	0869
Samsung	1295
Sharper Image	1556
Sony	1558, 1758, 1658
Teac	1390
Venturer	1390
Yamaha	1375

SETUP CODES FOR HOME-THEATER-IN-A-BOX SYSTEMS (DVD CODES)

Aiwa	0641
Koss	0651
Onkyo	0627
Oritron	0651
Polk Audio	0539
Rio	0869
Sharper Image	1995
Sonic Blue	0869
Yamaha	0817

SETUP CODES FOR MINI-DISC PLAYERS

Denon	0873
Kenwood	0681
Onkyo	0868
Optimus	1063
Pioneer	1063
Sharp	0861
Sony	0490
Yamaha	0888

SETUP CODES FOR PVRs

Panasonic	0616
Philips	0618
ReplayTV	0614, 0616
Sonic Blue	0616, 0614
Sony	0636
Tivo	0739, 0636, 0618

SETUP CODES FOR SATELLITE RECEIVERS

AlphaStar	0772
Chaparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1639, 1142, 0247, 0749, 1749, 0724, 0819, 1856, 1076, 1109, 1442, 1392
Dish Network System	1005, 0775
Dishpro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
General Instrument	0869
GOI	0775
Hitachi	0819
HTS	0775
Hughes Network Systems	1142, 0749, 1749, 1442
JVC	0775
Magnavox	0724, 0722

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Memorex	0724
Mitsubishi	0749
Motorola	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	1142, 0749, 1749, 0724, 1076, 0722, 1442
Proscan	0392, 0566
RadioShack	0869
RCA	0392, 0566, 0855, 0143, 1392
Samsung	1276, 1109
SKY	0856
Sony	0639, 1639
Star Choice	0869
Tivo	1142, 1442
Toshiba	0749, 1749, 0790
UltimateTV	1392
Uniden	0724, 0722
Voom	0869
Zenith	0856, 1856

SETUP CODES FOR SATELLITE RECEIVERS/PVR COMBOS

EchoStar	1005, 0775
Expressvu	0775
Hughes Network Systems	1142, 1442
Philips	1142, 1442
Proscan	0392
RCA	1392
Sony	0639

SETUP CODES FOR TVs

Admiral	0093, 0463
Advent	0761, 0842
Aiko	0092
Aiwa	0701
Akai	0812, 0702, 0030, 0672

Alaron	0179
Albatron	0843
America Action	0180
Ampro	0751
Anam	0180
AOC	0030
Apex Digital	0748, 0765, 0767
Audiovox	0451, 0180, 0092, 0623
Bell & Howell	0154, 0016
Bradford	0180
Broksonic	0236, 0463
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Citizen	0060, 0030, 0092, 0056
Clarion	0180
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1147, 0016, 0466, 1347, 0056
CXC	0180
Daewoo	0451, 0092, 0672, 0623
Denon	0145
Dumont	0017
Durabrand	0180, 0178, 0171, 0463
Dwin	0774, 0720
Electroband	0000
Elektra	0017

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Emerson	0154, 0236, 0463, 0180, 0178, 0171, 0623, 0179	Magnavox	0054, 0030, 1454, 0706, 1254, 0179
Envision	0030	Majestic	0016
Epson	0840, 0833	Marantz	0054, 0030, 0704
Fisher	0154	Matsushita	0250, 0650
Fujitsu	0809, 0683, 0179, 0853	Megatron	0178, 0145
Funai	0180, 0171, 0179	Memorex	0154, 0463, 0150, 0178, 0016, 0179
Futuretech	0180	MGA	0150, 0030, 0178
GE	0047, 0051, 0451, 0178, 0021, 1347, 1147	Midland	0047, 0017, 0051
Gibraltar	0017, 0030	Minutz	0021
GoldStar	0030, 0178	Mitsubishi	0093, 0150, 0178, 0836
Grunpy	0180, 0179	Monivision	0843
Hallmark	0178	Motorola	0093
Harley Davidson	0179	MTC	0060, 0030, 0056
Harman/Kardon	0054	Multitech	0180
Harvard	0180	NAD	0156, 0178, 0866
Havermy	0093	NEC	0030, 0497, 0056
Hello Kitty	0451	Nikko	0030, 0178, 0092
Himitsu	0180	Norcent	0748, 0824
Hisense	0748	NTC	0092
Hitachi	1145, 0145, 0056, 0016	Onwa	0180
Hyundai	0849	Optimus	0154, 0250, 0166, 0650
Infinity	0054	Optonica	0093
Inteq	0017	Orion	0236, 0463, 0179
JBL	0054	Panasonic	0250, 0051, 0650
JCB	0000	Penney	0047, 0156, 0051, 0060, 0030, 0178, 1347, 0021
Jensen	0761	Philco	0054, 0030
JVC	0053	Philips	0054, 1454, 0690
KEC	0180	Pilot	0030
Kenwood	0030	Pioneer	0166, 0866, 0679
KLH	0765, 0767	Portland	0092
Konka	0707	Prima	0761
KTV	0180, 0030	Prism	0051
LG	0856	Proscan	0047, 1347, 1447
Logik	0016	Proton	0178, 0466
Luxman	0056	Pulsar	0017
LXI	0047, 0054, 0154, 0156, 0178	Quasar	0250, 0051, 0650

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RadioShack	0047, 0154, 0180, 0030, 0178, 0056
RCA	0047, 1447, 1047, 1347, 0679, 1247, 0090, 1147
Realistic	0154, 0180, 0030, 0178, 0056
Runco	0017, 0030, 0603, 0497
Sampo	0030
Samsung	0060, 0812, 0702, 0030, 0178, 0056, 0814, 0766, 1060
Sansui	0463
Sanyo	0154, 0799
Scotch	0178
Scott	0236, 0180, 0178, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0171, 0056, 0179
Sharp	0093, 0688, 0851, 0491, 0818, 0689
Sharper Image	1950
Sheng Chia	0093
Signature	0016
Sony	1100, 0000, 0834, 0810
Soundesign	0180, 0178, 0179
Squareview	0171
SSS	0180
Starlite	0180
Supreme	0000
SVA	0748
Sylvania	0054, 0030, 0171
Symphonic	0180, 0171
Tandy	0093
Technics	0250, 0051
Technol Ace	0179
Techwood	0051, 0056
Teknika	0054, 0180, 0150, 0060, 0056, 0092, 0016, 0179
Telefunken	0702, 0056

TMK	0178, 0056
TNCi	0017
Toshiba	0154, 0156, 0060, 1256, 0845, 0832, 1356, 0650
TVS	0463
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178
Wards	0054, 0030, 0178, 0021, 0056, 0866, 0016, 0179
Waycon	0156
White Westinghouse	0463, 0623
Yamaha	0030, 0833, 0769
Zenith	0017, 0463, 0178, 0016, 0092

SETUP CODES FOR TV/DVD PLAYER COMBOS (TV CODES)

Sylvania	0675
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SETUP CODES FOR TV/DVD PLAYER COMBOS (DVD CODES)

Apex Digital	0830
Broksonic	0695
Panasonic	1490
Philips	0854
Sylvania	0171
Toshiba	0695

SETUP CODES FOR TV/VCR COMBOS (TV CODES)

America Action	0180
Audiovox	0180
Emerson	0236

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SETUP CODES FOR TV/VCR COMBOS (VCR CODES)

America Action	0278
Audiovox	0278
Broksonic	0002, 1479, 0479
Citizen	1278
Curtis Mathes	1035
Daewoo	1278
Emerson	0002, 1479, 1278, 0479
Funai	0000
GE	0240, 1035, 1060
GoldStar	1237
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	1278
Magnavox	0000, 1781
Magnin	0240
Memorex	0162, 1237, 1162
MGA	0240
Optimus	1162
Orion	0002, 0479, 1479
Panasonic	0162, 1162, 1035
Penney	0240, 1237, 1035
Philco	0479
Quasar	0162, 1035, 1162
RadioShack	0000
RCA	0240, 1060, 1035
Sansui	0000, 1479, 0479
Sanyo	0240
Sears	0000, 1237
Sony	0000, 1232
Sylvania	1781
Symphonic	0000
Thomas	0000
Toshiba	0845
Zenith	0000, 0479, 1479

SETUP CODES FOR TV/VCR/DVD PLAYER COMBOS

Broksonic	0868
Emerson	0821
Panasonic	1362, 1462
Sharp	0630
Sylvania	0821
Toshiba	1045

SETUP CODES FOR VCRS

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
America Action	0278
American High	0035
Asha	0240
Audiovox	0037, 0278
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0479, 1479
Calix	0037
Canon	0035
Carver	0081
CCE	0278
Citizen	0037, 0278, 1278
Craig	0037, 0047, 0240
Curtis Mathes	0060, 0035, 0162, 1035
Cybernex	0240
Daewoo	0045, 0278, 1278
Denon	0042
Durabrand	0039
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278, 1479, 1278, 0479

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Fisher	0047, 0104	Noblex	0240
Fuji	0035, 0033	Olympus	0035
Funai	0000	Optimus	0162, 0037, 0048, 0104, 0432, 1162
Garrard	0000	Orion	0184, 0209, 0002, 1479, 0479
GE	0060, 0035, 0240, 1035, 1060	Panasonic	0035, 0162, 1035, 0225, 1162
Go Video	0432	Penney	0035, 0037, 0240, 0042, 1035, 1237
GoldStar	0037, 1237	Pentax	0042
Gradiente	0000	Philco	0035, 0479
Harley Davidson	0000	Philips	0035, 0081, 1081, 1181
Harman/Kardon	0081	Pilot	0037
HI-Q	0047	Pioneer	0067
Hitachi	0000, 0042	Polk Audio	0081
Hughes Network Systems	0042	Profitronic	0240
JVC	0067	Proscan	0060, 1060
KEC	0037, 0278	Pulsar	0039
Kenwood	0067	Quasar	0035, 0162, 1162, 1035
Kodak	0035, 0037	RadioShack	0000
Lloyd's	0000	Radix	0037
LXI	0037	Randex	0037
Magnasonic	1278	RCA	0060, 0240, 0042, 0880, 1060, 1035
Magnavox	0035, 0039, 0081, 0000, 1781	Realistic	0035, 0037, 0048, 0047, 0000, 0104
Magnin	0240	Runco	0039
Marantz	0035, 0081	Samsung	0240, 0045
Marta	0037	Sanky	0048, 0039
Matsushita	0035, 0162, 1162	Sansui	0000, 0067, 0209, 1479, 0479
MEI	0035	Sanyo	0047, 0240, 0104
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 1162, 0479, 1237	Scott	0184, 0045, 0121, 0043
MGA	0240, 0043	Sears	0035, 0037, 0047, 0000, 0042, 0104, 1237
MGN Technology	0240	Sharp	0048, 0848
Minolta	0042	Shogun	0240
Mitsubishi	0067, 0043	Sony	0035, 0032, 0033, 0000, 1232
Motorola	0035, 0048		
MTC	0240, 0000		
Multitech	0000		
NEC	0104, 0067		
Nikko	0037		

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STS	0042
Sylvania	0035, 0081, 0000, 0043, 1781
Symphonic	0000
Teac	0000
Technics	0035, 0162
Teknika	0035, 0037, 0000
Thomas	0000
TMK	0240
Toshiba	0045, 0043, 0845
Totevision	0037, 0240
Unitech	0240
Vector	0045
Video Concepts	0045
Videomagic	0037
Videosonic	0240
Villain	0000
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042
White Westinghouse	0209

XR-1000	0035, 0000
Zenith	0039, 0033, 0000, 0209, 1479, 0479

SETUP CODES FOR VIDEO ACCESSORIES

Panasonic	1120
Pioneer	1010
Princeton	0113, 0295
Sensory Science	1126
Sharp	1010

SETUP CODES FOR CABLE/DVR COMBOS

Motorola	0476
Pioneer	1877
Scientific Atlanta	1877

ABOUT UPGRADING

Your OFA Kameleon 8-Device Remote with RF has the largest infrared code library available and contains a unique feature that allows new codes to be added to its memory over the phone. In a matter of seconds, your OFA Kameleon 8-Device Remote with RF can quickly and reliably record the new information without complex plugs, adapters, or attachments.

This means that as you buy new products in the future, the OFA Kameleon 8-Device Remote with RF will never become obsolete. Simply call our consumer help-line, and one of our customer service representatives will assist you through the entire process of upgrading your OFA Kameleon 8-Device Remote with RF.

Consumer Help-Line: (330) 405-8620

NOTE: Universal Electronics reserves the right to replace a returned remote-control with a new one of equal or superior functionality.

UPGRADE PROCEDURE

1. Call our Consumer Help-Line at: (330) 405-8620 on any business day, between 9 AM and 5:30 PM, EST.

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2. Our customer service agent will ask for and record the brand name(s) and model number(s) of your device(s). Then the agent will lead you through the upgrade procedure by asking you to place your telephone's speaker next to the **CH** keys on the OFA Kameleon 8-Device Remote (as shown below).



NOTE: *Only use a land-line phone for the upgrade procedure. Do not use a mobile phone because it will not transmit the signals correctly.*

In a matter of seconds, new setup codes for your device(s) will be transmitted through the telephone and stored in your OFA Kameleon 8-Device Remote with RF.

3. After your OFA Kameleon 8-Device Remote with RF has been successfully upgraded by telephone, stay on the line. Our customer service agent will ensure that your unit is working properly with your device(s) and answer any other questions you may have.

UPGRADE EXCLUSIONS

- Home entertainment or home automation devices controlled by radio frequency (RF/UHF), wired, or ultrasonic remote controls. Only devices controlled by infrared remote controls are covered.
- Home entertainment or home automation devices not controlled by remote controls.
- Broken or defective product.
- Products that operate over 100 kHz.
- Infrared keyboards and infrared pointing devices (such as mouse substitutes).
- All products for sale and/or use outside the continental United States, Hawaii, Alaska, or Canada.

TROUBLESHOOTING

PROBLEM: No display at all times.

SOLUTION: Replace batteries with four new AA alkaline batteries.

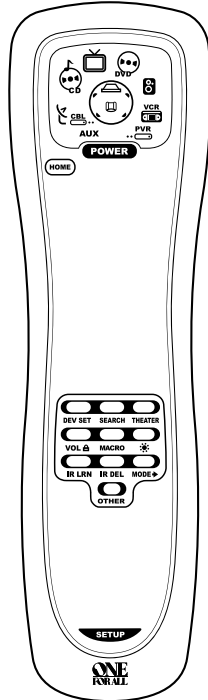
ONE FOR ALL KAMELEON 8-DEVICE REMOTE

- PROBLEM:** The bottom two IR indicators are flashing. **SOLUTION:** Some devices (e.g., Cable Boxes or Satellite Receivers) use two-digit channel numbers. During programming, press **ENTER** or **OK** once after entering a channel number (e.g., **02**).
- PROBLEM:** No display when programming. **SOLUTION:** Display has turned off due to inactivity. Start programming again and do not pause when programming. **PROBLEM:** Changing channels does not work properly. **SOLUTION:** Scan on page 41. Start programming.
- PROBLEM:** During programming, the IR indicator flashes. **SOLUTION:** If the original remote control required pressing **ENTER** to change channels, then press **ENTER** on the remote control after entering channel numbers.
- PROBLEM:** An invalid entry has occurred. **SOLUTION:** Check the keys to be pressed and start program again.
- PROBLEM:** No remote control of volume. **SOLUTION:** See *Changing Volume Lock* on page 27 to lock/unlock volume.
- PROBLEM:** How do I stop programming? **SOLUTION:** Press **HOME** once to return to the *Program Keys* screen. Press **HOME** once more to completely exit.
- PROBLEM:** The unit does not control home entertainment devices or commands are not working. **SOLUTION:** Make sure the remote control is aimed at your home entertainment device and is not farther than 15 feet away.
- PROBLEM:** Tried *Searching For Your Code* and still does not work. **SOLUTION:** If your RCA design (1983-1987), only the original remote control will operate these functions. Perform *Restoring Factory Default Settings* on page 42. Then repeat *Searching For Your Code* on page 19.
- PROBLEM:** Cannot program a macro. **SOLUTION:** Press **POWER** or **SCROLL** one or times in **CD, DVD, PVR** or **Home Theater** mode, does not display a secondary menu screen. Make sure the total number of key presses being programmed is less than 15. **SOLUTION:** Even though **SCROLL** is displayed, for these modes, there are no additional menu screens.
- PROBLEM:** Power macro does not execute. **SOLUTION:** First, press the **Home Theater** key once, then press **POWER** once. **SOLUTION:** Make sure have selected the correct device key for your combo code.
- PROBLEM:** Favorite channel function does not work properly.

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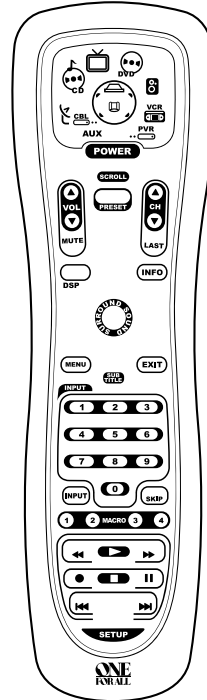
DEVICE MENU SCREENS

PROGRAMMING MAIN MENU



Pressing and holding **SETUP** displays the *Programming Main Menu* screen. Use the **Program Keys** to program device control (**DEV SET**), code search (**SEARCH**), home theater mode (**THEATER**), volume lock (**VOL**), macros (**MACRO**), display brightness (☼), function learning (**IR LRN** and **IR DEL**), device key reassignment (**MODE**), or other functions (**OTHER**). See the *Table of Contents* on page 2 to locate a section of interest.

AUDIO MAIN MENU

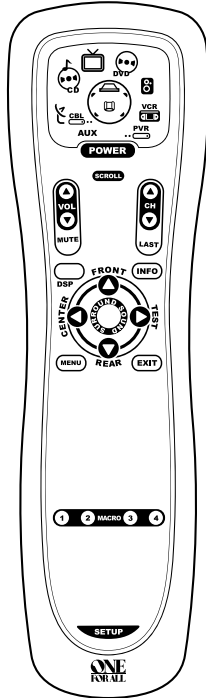


Pressing **AUDIO** once displays the *AUDIO Main Menu* screen. After device programming, use these keys to remotely control your Audio Receiver's or Amplifier's volume and stations, select source inputs, operate transport functions on a built-in CD player (or DVD player, if HTIB device), and access menu, surround, or preset functions.

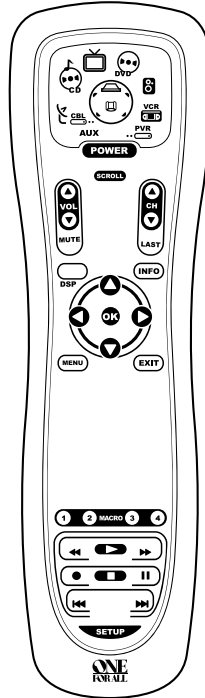
Pressing **SCROLL** one or more times displays secondary *AUDIO* menus (see next two pages).

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AUDIO SURROUND MENU



AUDIO MENU

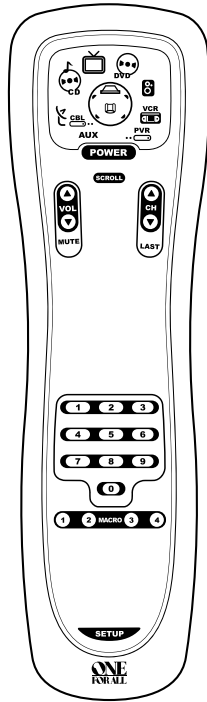


Pressing **SCROLL** once (on the *AUDIO Main Menu*, as shown on the previous page, right side) displays the *AUDIO Surround Menu* screen. Use these keys to remotely control your Audio Receiver's or Amplifier's volume, stations, and surround functions.

Pressing **SCROLL** once (on the *AUDIO Surround Menu*, as shown on the left) displays the *AUDIO Menu* screen. Use these keys to remotely control your Audio Receiver's or Amplifier's volume, stations, and surround functions.

USER'S GUIDE

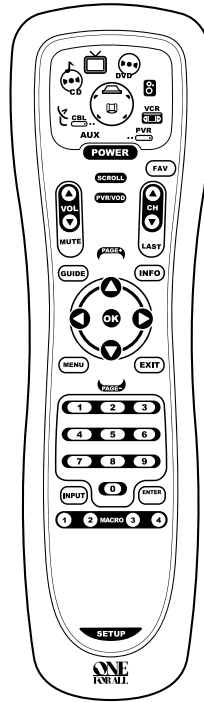
AUDIO PRESETS MENU



Pressing **SCROLL** once (on the *AUDIO Menu*, as shown on the previous page, right side), displays the *AUDIO Presets Menu* screen. Use these keys to remotely access your Audio Receiver's or Amplifier's preset stations.

Pressing **SCROLL** once more returns the display to the *AUDIO Main Menu* screen (as shown on page 60, right side).

AUX MAIN MENU

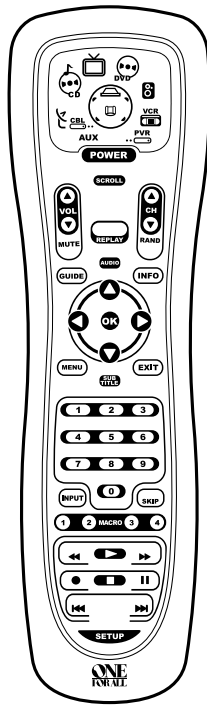


Pressing **AUX** once displays the *AUX Main Menu* screen. After device programming, use these keys to remotely control all your device's common features, such as volume and channels, and menu, guide, and navigation functions.

Pressing **SCROLL** once displays a secondary *AUX* menu (on shown on the next page, left side).

ONE FOR ALL KAMELEON 8-DEVICE REMOTE

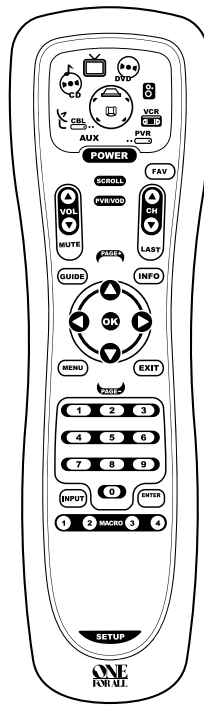
AUX PVR/VOD MENU



Pressing **SCROLL** once (on the *AUX Main Menu*, as shown on previous page, right side) displays the *AUX PVR/VOD Menu* screen. Use these keys to remotely control all your device's VOD and PVR functions, such as transport keys, replay, and live TV.

Pressing **SCROLL** once more returns the display to the *AUX Main Menu* screen (as shown on the previous page, right side).

CBL/SAT MAIN MENU

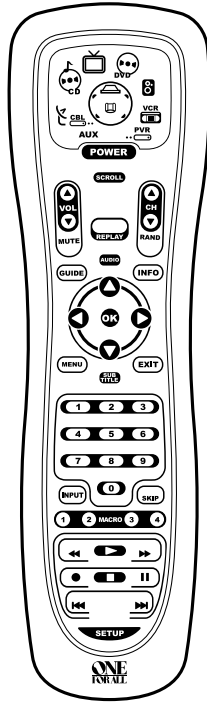


Pressing **CBL/SAT** once displays the *CBL/SAT Main Menu* screen. After Cable Box or Satellite Receiver programming, use these keys to remotely control all common features, such as volume and channels, and menu, guide, and navigation functions.

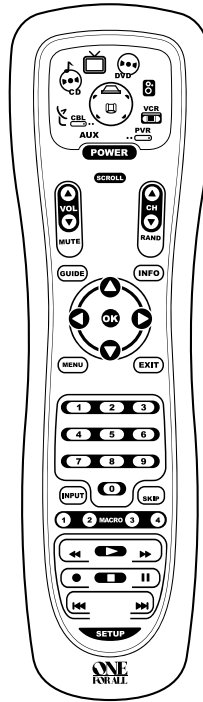
Pressing **SCROLL** once displays a secondary *CBL/SAT* menu (on shown on the next page, left side).

USER'S GUIDE

CBL/SAT PVR/VOD MENU



CD MAIN MENU



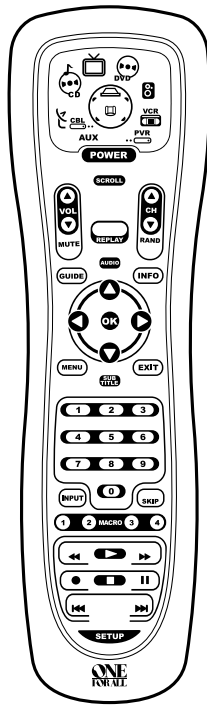
Pressing **SCROLL** once (on the *CBL/SAT Main Menu*, as shown on previous page, right side) displays the *CBL/SAT PVR/VOD Menu* screen. Use these keys to remotely control all your device's VOD and PVR functions, such as transport keys, replay, and live TV.

Pressing **SCROLL** once more returns the display to the *CBL/SAT Main Menu* screen (as shown on the previous page, right side).

Pressing **CD** once displays the *CD Main Menu* screen. After device programming, use these keys to remotely control all your CD player's common features, such as transport keys and skip, menu, and random functions.

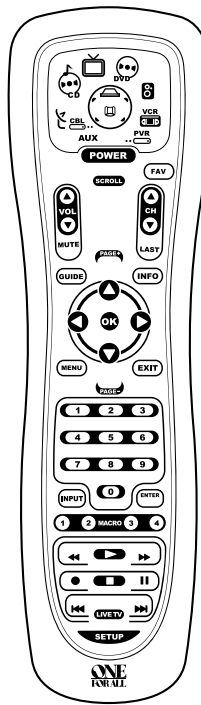
ONE FOR ALL KAMELEON 8-DEVICE REMOTE

DVD MAIN MENU



Pressing **DVD** once displays the *DVD Main Menu* screen. After device programming, use these keys to remotely control all your DVD player's common features, such as transport keys and menu, navigation, subtitle, and audio functions.

HOME THEATER MAIN MENU



After mode programming, pressing **Home Theater** once displays the *Home Theater Main Menu* screen. Use these keys to remotely access all common features and functions of your home theater system. For details, see *Using The Home Theater Mode* on page 21.