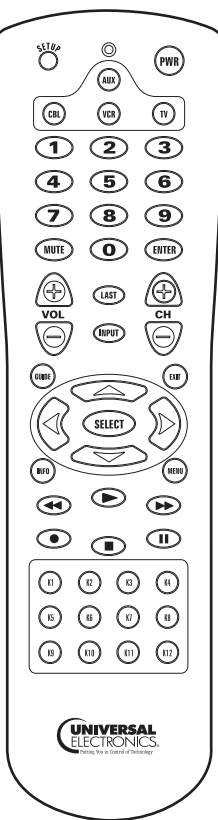


Nebula Catalyst 34



User's Guide

INTRODUCTION

Thank you for purchasing a Nebula Catalyst 34 remote. Your remote lets you control 4 devices with one easy-to-use, compact unit.

After installing the batteries, you can immediately program the Nebula Catalyst 34 remote to control your Universal TV, VCR or DVD, Cable or Satellite Receivers, Amplifiers or Tuners, and Auxiliary devices. To do so, follow the instructions in “Programming a Device”. For best results, please read and follow all the remaining instructions. Also, keep this guide for future reference.

INSTALLING BATTERIES

Your Nebula Catalyst 34 remote requires 2 AA batteries (not supplied).

Battery Use And Safety

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the remote for an extended period, remove the battery. It can leak chemicals that can destroy electronic parts.

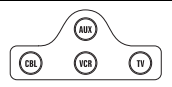
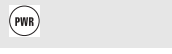



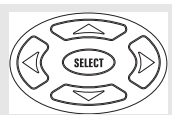

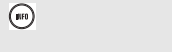


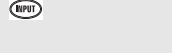



WARNING: Dispose of old batteries promptly and properly. Do not burn or bury them.

To Install Batteries:

- Open the battery compartment cover (located on the back of the remote).
- Place the AA batteries in the compartment and match the + and - polarity symbols inside.
- Replace the cover.

NOTE: When the Nebula Catalyst 34 remote stops operating properly, replace the batteries within 10 minutes (to protect the programming information).

A QUICK LOOK AT THE CONTROLS

Press this key...	To ...
	Select a device.
	Turn the selected device on or off.
	Program sequences.
	Select the next or previous channel. Select next or previous chapter on some models of DVD players. Press LAST to recall the last-viewed channel.
	Raise or lower the sound level. Press MUTE to turn the sound off or on.
	Move the cursor in the menu screens. Press OK to choose the highlighted menu option.
	Skip backward, rewind, fast forward, skip forward, stop, pause, or play tracks on the current disc.
	View the current channel and program information..
	Display the menu for the selected device.
	Exit the selected device's menu, guide, or program without making a menu selection.
	Display the program guide for the selected device.
	Switch the TV's, VCR's, SAT's, or DVD's input to view TV or video programs.
	Directly enter channels (for example, 09 or 31). Press +100 to enter channels over 100 (for example, +100, 3, 1 = 131). For a DVD player, use +100 to access chapters over 10 (for example, +100, 3 = 13).
	Press Enter to send channel number entries on some TV models.

PROGRAMMING A DEVICE

The Nebula Catalyst 34 remote comes pre-programmed to operate an Universal TV, VCR or DVD, Cable or Satellite Receivers, Amplifiers or Tuners, and Auxiliary devices. To control devices other than default brands, follow these steps; otherwise, skip this section.

Before proceeding, find the codes for the devices you want to program in “Manufacturer’s Codes” on the right side of this page and write them down or highlight them.

NOTE: To program a TV or mobile LCD device, use the **TV** key. To program a DVD Player, TV/DVD Combo, TV/VCR/DVD Combo, portable DVD player, or mobile DVD player, use the **DVD** key.

- Turn on the device (for example, DVD player) and, if needed, load media (for example, a DVD).
- Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
- Press and hold **SETUP** until the red LED blinks twice, then release.
- Enter the first five-digit code for your device. The LED blinks once as each digit is entered. If the code is correct, the LED blinks twice.
- Aim the remote at the device and press **Power**. The device should turn off. If it does not, repeat steps 3–5, trying each code for your brand until you find one that works. If you cannot find a code that works, see “Searching for Your Code”.

- Repeat steps 1 to 5 for the other devices you want to control. For future reference, write down each working device code below:

AUX Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
CBL Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
CD Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
DVD Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
SAT Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
TNR Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
TV Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
VCR Code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

SEARCHING FOR YOUR CODE

If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed, try searching for your code:

- Press a device key once.
- Press and hold **SETUP** until the red LED blinks twice, then release.
- Enter **9 9 1**, then the device group number (see table below). The LED blinks twice.

Code	Device Group
0	Cable (Cable Converters, Video Accessories, Satellite Receivers)
1	TV (TVs)
2	VCR (VCRs, DVD players)
3	Audio (Audio Amplifiers, Audio Amp/Tuners, CD players)

- Aim the remote at the device and press **Power**. The remote sends IR codes from its library to the selected device, starting with the most popular code first. If the device responds, go to step 6.
- If the device does not respond, press **CH+**. The remote will try the next code. Continue until the device responds.
- Press **CH-** to try the previous code.
- To set the code, press **SETUP** once. The LED blinks twice.
- To search for other device codes, repeat steps 1 to 6.

CHECKING THE CODES

If you have set up the remote using the procedure in “Searching for Your Code”, you may need to find out which four-digit code is operating your equipment.

For example, to find out which code is assigned to your TV:

- Press **TV** once.
- Press and hold **SETUP** until the red LED blinks twice, then release.
- Enter **9 9 0**. The LED blinks twice.
- To view the code for the first digit, press **1**. Count the LED blinks (for example, three blinks = 3), and write down the number in the appropriate code listing in step 8 under “Programming a Device”.
- Repeat step 4 for the four remaining digits, using **2** for the second digit, **3** for the third digit, **4** for the fourth digit, and **5** for the fifth digit.
- To check for other device codes, repeat steps 1–5, substituting the device key for **TV**.

CHANGING VOLUME LOCK

The Nebula Catalyst 34 remote comes preset to allow independent volume control of each selected device (Global Volume Unlock). However, you may change the Volume Lock setting to Global Volume Lock so that one device's volume will control volume in all other modes. After that, you can perform Individual Volume Unlock on a selected device to set its volume control for independent operation or Global Volume Unlock to remove all volume locking.

Locking Volume Control to One Mode (Global Volume Lock)

- Press and hold **SETUP** until the red LED blinks twice, then release.

- Enter **9 9 3** and then press the mode key for the device you want to control volume (for example, **TV**). The LED blinks twice. Now when you press **VOL+**, **VOL-**, or **Mute**, the selected device (for example, **TV**) will control the volume regardless of the current mode.

Unlocking All Volume Control (Restoring Global Unlock)

- Press and hold **SETUP** until the red LED blinks twice, then release.
- Enter **9 9 3** and then press **VOL+**. The LED blinks four times. Volume is independently controlled for all programmed devices.

Unlocking a Single Device's Volume Control

- Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
- Press and hold **SETUP** until the red LED blinks twice, then release.
- Enter **9 9 3** and then press **VOL-**. The LED blinks four times. Volume is independently controlled for the selected devices.

USING KEYMOVER

Your Nebula Catalyst 34 includes a *Keymover* feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode) or to a different key in the same mode.

NOTE: Do not use any of the Device Keys, **POWER, RECORD,** or **SETUP** as a source or destination key.

Moving Keys in the Same Device Mode

- Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
- Press and hold **SETUP** until the LED flashes twice.
- Press **9 9 4**.
- Press the key you want to move.
- Press the new key that should perform the function. The LED blinks twice.
- Repeat until you are finished moving keys.

Moving Keys to a Different Device Mode

This lets you, for example, control DVD functions (while in TV mode. You would move the transport key functions (**Play, Stop**, etc.) from DVD mode to TV mode, as follows:

- Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
- Press and hold **SETUP** until the LED flashes twice.
- Press **9 9 4**.
- Press the key of the device containing the function you want to move (e.g., **DVD**).
- Press the key you want to move (e.g., **Play**).
- Press the key of the device where you want the function (e.g., **TV**).
- Press the key in the new mode that should perform the function (e.g., **Play**). The LED blinks twice.
- Repeat until you are finished moving keys.

Restoring Original Key Function

- Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
- Press and hold **SETUP** until the LED flashes twice.
- Press **9 9 4**.
- Press the device key you selected in step 1 twice.
- Repeat for each device you want to restore.

TROUBLESHOOTING

PROBLEM: LED does not blink when you press a key.

SOLUTION: Replace battery with one new 3.3 V 2032 Lithium battery.

PROBLEM: LED blinks when you press a key, but device does not respond.

SOLUTION: Make sure the remote is aimed at your device and is not more than 15 feet away.

PROBLEM: LED blinks one long blink.

SOLUTION: An entry error has occurred (for example, wrong key). Try entry sequence again.

PROBLEM: Remote does not control devices or commands are not working properly.

SOLUTION: Try all listed codes for the device. Make sure the device operates with an infrared remote control.

PROBLEM: **CH+**, **CH-**, and **LAST** do not work for your RCA TV.

SOLUTION: Due to RCA design from 1983 to 1987, only the original remote control will operate these functions.

PROBLEM: No volume on a device.

SOLUTION: See “Changing Volume Lock”.

PROBLEM: Channels do not change properly.

SOLUTION: If the original remote control required you to press **Enter** to change channels, press **Enter** on this remote after entering the channel number.

MANUFACTURER'S CODES

Setup Codes for Audio Amplifiers	
Bose	30674
GE	30078
JVC	30331
Marantz	30321
SAST	30157
Sharp	30861, 30037
NEC	30264
Optimus	30395
Realistic	30395
Sansui	30321
Shure	30264
Sony	30689
Soundesign	30078
Victor	30331
Wards	30078
Yamaha	30354, 30133
Setup Codes for Audio Amp/Tuners	
ADC	30531
Aiwa	31405, 31243, 30121
Anam	31609, 31074
Audiotronic	31189
Aut	31229
Capetronic	30531
Carver	31189
Coby	31263

Denon	31360, 31142, 30904
Fonnix	31360
Glory Horse	31263
Harman/Kardon	30110
Hitachi	31273
Inkel	30027
Integra	30135
JBL	30110
JVC	30074, 31263
Kenwood	31313, 31570, 30027
KLH	31428
Magnavox	31189, 31269, 30531
Marantz	31189, 31269, 30039
MCS	30039
Onkyo	30842, 30135
Optimus	31023, 30670, 30531, 31074
Panasonic	31518, 30039
Philips	31189, 31269
Pioneer	31023, 30150, 30014, 30630, 30531
Proscan	31254
Qisheng	31609
Quasar	30039
RadioShack	31263
RCA	31023, 31609, 31254, 30531, 31074
Sharper Image	31263
Silsonic	30176
Sony	31058, 31441, 31258, 31759
Soundesign	30670
Stereophonics	31023
Sunfire	31313
Teac	31074, 31267
Technics	31308, 31518, 30039
Thorens	31189
Victor	30074
Wards	30014
Yamaha	30176, 31276, 31176

Setup Codes for CD Players

Aiwa	30157
Burmester	30420
California Audio Labs	30029
Carver	30157, 30179
Denon	30873
DKK	30000
DMX Electronics	30157
Dynamic Bass	30179
Fisher	30179
Garrard	30420
Genexxa	30032
Harman/Kardon	30157, 30173
Hitachi	30032
Integra	30101
JVC	30072
Kenwood	30826, 30626, 30028, 30037, 30036, 30190
Krell	30157
Linn	30157
Magnavox	30157
Marantz	30626, 30029, 30157
MCS	30029
Miro	30000
Mission	30157
MTC	30420
NSM	30157
Onkyo	30868, 30101
Optimus	31063, 30000, 30032, 30037, 30420, 30179, 31075, 30145
Panasonic	30029
Parasound	30420
Philips	30626, 30157
Pioneer	31063, 31062, 30032
Polk Audio	30157
Proton	30157
QED	30157
Quad	30157
Quasar	30029
RadioShack	31075
RCA	31062, 30032, 30420, 30179, 30053
Realistic	30420, 30179
Rotel	30157, 30420
SAE	30157
Sansui	30157
Sanyo	30179
SAST	30157
Sharp	30861, 30037
Silsonic	30888, 30036
Sonic Frontiers	30157
Sony	30490, 30000, 30100
Soundesign	30145
TAG McLaren	30157
Tascam	30420
Teac	30420
Technics	30029
Victor	30072
Wards	30157, 30053
Yamaha	30888, 30036
Zonda	30157

Setup Codes for DVD Players

Aiwa	20641, 21912
Bradford	10180
Broksonic	10236, 10463, 11911, 11938, 11905, 11935, 11929
Apex Digital	20672, 20717, 20797, 21061, 20796, 21056, 21937, 20794, 21020, 21915
Blaupunkt	20717

Blue Parade	20571
Broksonic	20695
Changhong	20627, 21061
CineVision	20869
Coby	21086
Curtis Mathes	21087
CyberHome	21024, 21023, 21129, 20816, 21117
Daewoo	20833, 21172, 20869
Denon	20490
DVD2000	20521
Emerson	20591, 20675
Enterprise	20591
Fisher	21919
Funai	20675
Gateway	21158, 21073
GE	20522, 20717
Go Video	20744, 20833, 21099, 20783, 21075, 20869, 21730

Greenhill	20717
Harman/Kardon	20582, 20702
Hitachi	20573, 20664, 21919
Hiteker	20672
Initial	20717
Integra	20627, 21924
JBL	20702
JVC	20558, 20623, 20867
Kenwood	20490, 20534
KLH	20717, 21020, 21149
Koss	20651, 21980
Lasonic	20798
LG	20591, 20869, 20801
Liquid Video	21980
Lite-On	21158, 21058
Loewe	20511
Magnavox	20503, 20539, 21976, 21914, 20675
Marantz	20539
Memorex	20695
Microsoft	20522
Mintek	20717
Mitsubishi	21521, 20521
Nesa	20717
Norcent	21003
Onkyo	20503, 20627, 21924, 20792
Oritron	20651, 21980
Panasonic	20490, 21762, 21990
Philips	20503, 20539, 20646, 21914
Pioneer	20525, 20571
Polaroid	21086, 21061
Polk Audio	20539
Portland	20770
Proscan	20522
Qwestar	20651
RCA	20522, 20571, 20717, 20822
Rio	20869
Rotel	20623
Sampo	20752, 20698
Samsung	20490, 20573, 21932, 21075, 20820
Sansui	20695
Sanyo	20695
Sharp	20630, 20752
Sharper Image	21117
Sherwood	20770
Shinco	20717
Shinsonic	20533
Sonic Blue	20869, 21099
Sony	20533, 20864, 21033, 21904, 21903
SVA	20717
Sylvania	20675
Symphonic	20675
Teac	20717, 21984, 20809
Technics	20490
Theta Digital	20571
Toshiba	20503, 20695

Yapshe	10250
Zenith	10017, 10463, 10178, 11904, 11929, 11911, 11909, 10092

Setup Codes for VCRs

ABS	21972
Admiral	20048, 20209
Aiko	20278
Aiwa	20037, 20479
Alienware	21972
America Action	20278
American High	20035
Amoisonic	20479
Anam	20162, 20037, 20240, 20278
Anam National	20162
Asha	20240
Audiowox	20037, 20278
Beaumarck	20240
Bell & Howell	20104
Broksonic	20184, 20121, 20209, 20002, 20479
Calix	20037
Canon	20035
Carver	20081
CCE	20072, 20278
Changhong	20048, 20081
Citizen	20037, 20278
Cólt	20072
Craig	20037, 20047, 20240, 20072
Curtis Mathes	20060, 20035, 20162
Cybernex	20240
CyberPower	21972

Dacwoo	20045, 20104, 20278
Dell	21972
Denon	20042
DirecTV	20739
Durabrand	20039, 20038
Electrohome	20037
Electrophonic	20037
Emerex	20032
Emerson	20035, 20037, 20184, 20240, 20045, 20121, 20043, 20209, 20002, 20278, 20479

Fisher	20047, 20104
Fuji	20035, 20033
Fujitsu	20045
Gateway	21972
GE	20060, 20035, 20240
General	20045
Go Video	20432
GoldStar	20037, 20209, 20038, 20225
Haojie	20240
Harman/Kardon	20081, 20038
Harwood	20072
Hewlett Packard	21972
HI-Q	20047
Hitachi	20037, 20042, 20055
Howard Computers	21972
HP	21972
Hughes Network Systems	20042, 20739
iBUYPOWER	21972
JVC	20045, 20067
KEC	20037, 20278

Kenwood	20067, 20038
KLH	21972
Kodak	20035, 20037
Kolin	20043
LG	20037, 20045, 20042, 20209, 20038
Logik	20072
LXI	20037
Magnavox	20035, 20039, 20081
Magnin	20240
Marantz	20035, 20081
Marta	20037
Matsushita	20035, 20162
Media Center PC	21972
MEI	20035
Memorex	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20104, 20209, 20479

MGA	20240, 20043
MGN Technology	20240
Microsoft	21972
Mind	21972
Minolta	20042
Mitsubishi	20067, 20043
Motorola	20035, 20048
MTC	20240
Multitech	20072
NEC	20035, 20037, 20048, 20104, 20067, 20038
Newave	20037
Nikko	20037
Noblex	20240
Northgate	21972

Olympus	20035
Optimus	21062, 20162, 20037, 20048, 20104, 20432
Orion	20184, 20209, 20002, 20479
Panasonic	21062, 20035, 20162, 20616, 20225
Penney	20035, 20037, 20240, 20042, 20038
Pentax	20042
Philco	20035, 20479
Philips	20035, 20081, 20739, 20618
Pilot	20037
Pioneer	20042, 20067
Polk Audio	20081
Profitronic	20240
Proscan	20060
Protec	20072
Pulsar	20039
Qisheng	20060
Quasar	20035, 20162
Radix	20037
Randex	20037
RCA	20060, 20035, 20240, 20042, 20880
Realistic	20035, 20037, 20048, 20047, 20104
ReplayTV	20616
Runco	20039
Sampo	20037, 20048
Samsung	20240, 20045, 20432
Sanky	20048, 20039
Sansui	20067, 20209, 20479
Sanyo	20047, 20240, 20104
Scott	20184, 20045, 20121, 20043
Sears	20035, 20037, 20047, 20042, 20104

Sharp	20048, 20209
Shintom	20072
Shogun	20240
Singer	20072
Sonic Blue	20616
Sony	20035, 20032, 20033, 20636, 21972
STS	20042
Sylvania	20035, 20081, 20043
Systemax	21972
Tagar Systems	21972
Tashiko	20037
Tatung	20045, 20067
Technics	20035, 20162
Teco	20035, 20037, 20048, 20038
Teknika	20035, 20037
Tivo	20636, 20618, 21503, 20739
TMK	20240
Toshiba	20045, 20042, 20067, 20043, 21503, 21008, 21972
Totevision	20037, 20240
Touch	21972
Unitech	20240
Vector	20045
Vector Research	20038
Victor	20067
Video Concepts	20045
Videomagic	20037
Videosonic	20240
Viewsonic	21972
Wards	20060, 20035, 20048, 20047, 20081, 20240, 20042, 20072

White Westinghouse	20209, 20072
XR-1000	20035, 20072
Yamaha	20038
Zenith	20039, 20033, 20209, 20479
ZT Group	21972

CARE

- Keep the remote dry. If it gets wet, wipe it dry immediately.
- Use and store the unit only in normal temperature environments.
- Handle the remote gently and carefully. Don't drop it.
- Wipe the remote with a damp cloth to keep it looking like new.

Modifying or tampering with the internal parts can cause damage and invalidate the warranty. If your remote is not performing as it should, please contact us at: **www.uei.com**.

SPECIFICATIONS

Power..... (2) AA
Size (H x W x D)..... 8.5 x 2.4 x 1.3 in
..... (217 x 61.5 x 33 mm)

Weight (w/o batteries)..... TBD
Specifications are typical; individual units might vary.
Specifications are subject to change and improvement without any notice.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate

radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

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