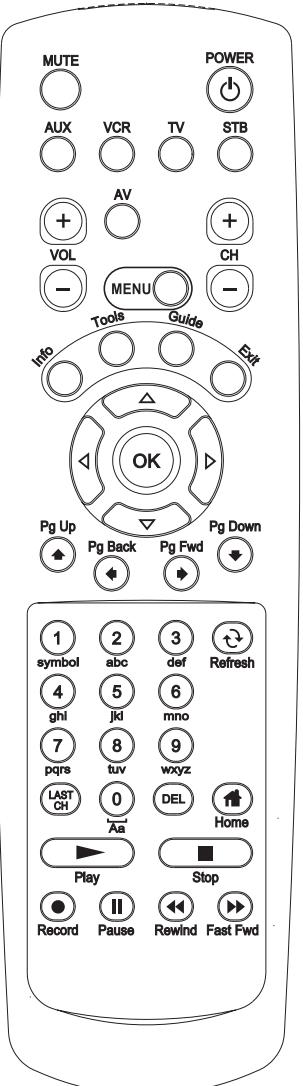


Operating Instructions For The AMINO-4 4-Function Remote Control



1 Introduction

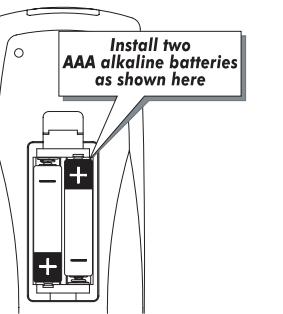
The AMINO-4 remote control is designed to operate the Amino range of Set-Top Boxes (STBs) and the majority of TVs, VCRs, DVDs and AUDIO components on the market today, as shown below.

- TV** : TVs, Plasma TVs and LCD TVs
- VCR** : VCRs and DVDs
- AUX** : Audio Receivers and Amplifiers, etc

2 Replacing Batteries

Before you program or operate the remote control, you must install two new AAA alkaline batteries.

- STEP1** Remove the battery compartment cover on the back of your remote control.
- STEP2** Check battery polarity carefully, and install the batteries as shown in the illustration below.
- STEP3** Replace the battery compartment cover.



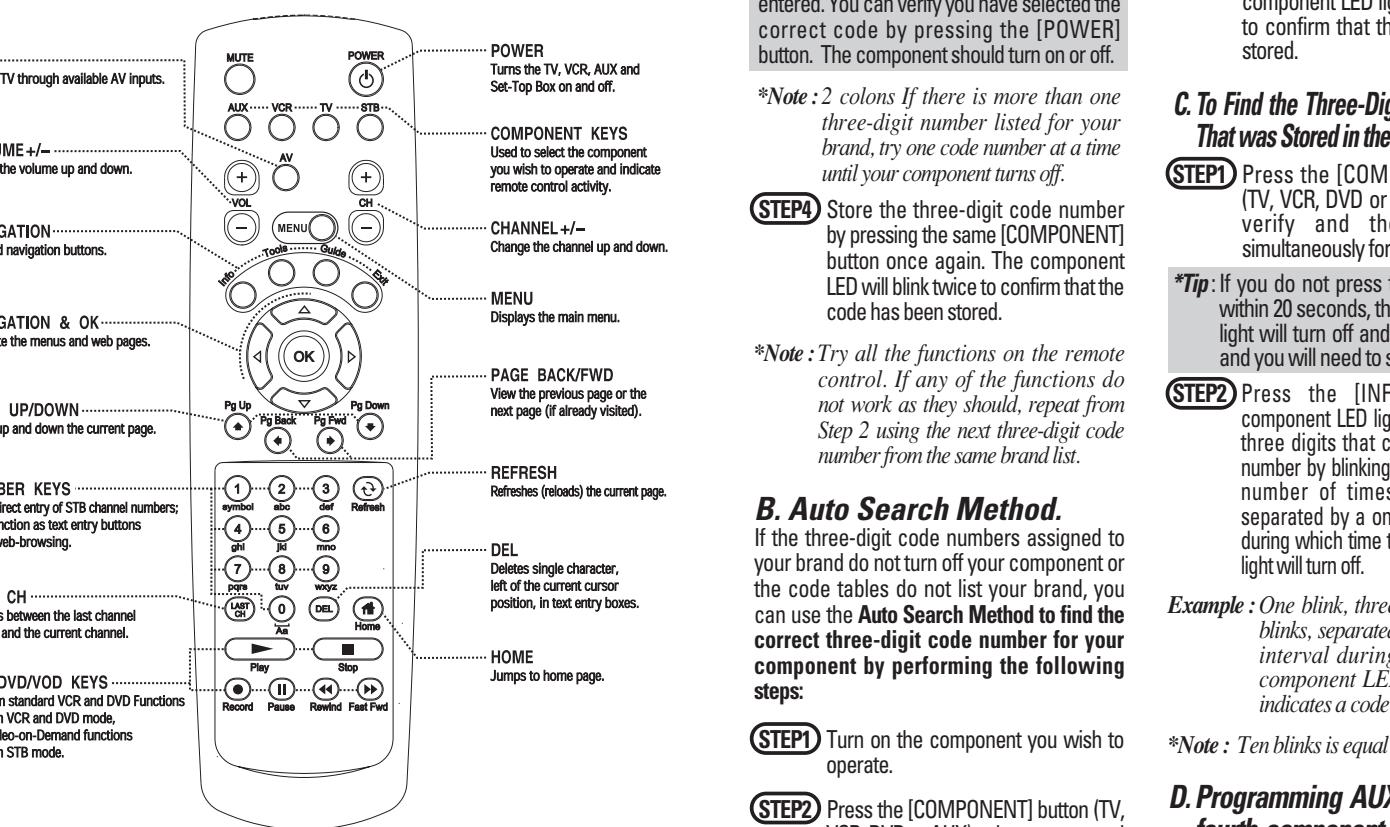
4 Operations

Device Default: AMINO Set-Top Box

Volume Default: TV volume and mute through the TV, with the option of controlling volume and mute through the STB or AUDIO component. Refer to section E for programming the volume and mute through your STB or AUDIO component.

Channel Default: STB channel and number keys through the STB, with the option of controlling channel and number keys through the TV or VCR. Refer to section F for programming the channel and number keys through your TV or VCR.

3 Button Functions



5 Programming the Remote Control

A. Three-Digit Code Programming Method.

The remote control can be programmed by pressing in a three-digit code number that corresponds to a particular manufacturer and brand of Audio/Video component. The three-digit code numbers are listed in the Set-up Code Tables on the backside of this instruction manual.

- STEP1** Turn on the A/V component you wish to program. (TV, VCR, DVD or AUX).

- STEP2** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and the [OK] button simultaneously for 3 seconds. The selected component LED light will turn on indicating the component is ready to be programmed.

***Tip:** If you do not begin entering code numbers within 20 seconds, the component LED light will turn off and exit set-up mode and you will need to start over.

- STEP3** Point the remote control toward the selected component and enter the three-digit code number assigned to your brand from the code tables.

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***Tip :** The component will turn off when the correct three-digit code number has been entered. You can verify you have selected the correct code by pressing the [POWER] button. The component should turn on or off.

***Note :** 2 colons If there is more than one three-digit number listed for your brand, try one code number at a time until your component turns off.

- STEP4** Store the three-digit code number by pressing the same [COMPONENT] button once again. The component LED light will blink twice to confirm that the code has been stored.

***Tip :** If you do not press the [INFO] button within 20 seconds, the component LED light will turn off and exit set-up mode and you will need to start over.

- STEP2** Press the [INFO] button. The component LED light will indicate the three digits that comprise the code number by blinking the corresponding number of times for each digit, separated by a one second interval, during which time the component LED light will turn off.

B. Auto Search Method.
If the three-digit code numbers assigned to your brand do not turn off your component or the code tables do not list your brand, you can use the **Auto Search Method** to find the **correct three-digit code number for your component** by performing the following steps:

- STEP1** Turn on the component you wish to operate.

- STEP2** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and the [OK] button simultaneously for 3 seconds. The component LED light will turn on.

***Tip :** If you do not press either the CH+ or CH- button within 20 seconds, the component button LED light will turn off and exit set-up mode and you will need to start over.

- STEP3** Press the [CH+] or [CH-] button one step at a time or keep it pressed. The remote will emit a series of Power ON/OFF commands. Release the [CH+] or [CH-] button as soon as the component turns off.

***Tip :** If you do not press the desired component button within 20 seconds, the [AUX] LED light will turn off and exit set-up mode and you will need to start over.

- STEP3** Press the [COMPONENT] button you wish to operate.

***Tip :** You can verify that you selected the correct code by pressing the [POWER] button again. The component should either turn on or off.

***Note :** The [AUX] LED light will blink once for each button pressed. Once you enter the correct code number, the component will turn off. If the component does not turn off, press the next code numbers listed for your brand until the component turns off.

C. To Find the Three-Digit Code Number That was Stored in the component.

- STEP1** Press the [COMPONENT] button (TV, VCR, DVD or AUX) you wish to verify and the [OK] button simultaneously for 3 seconds.

***Tip :** If you do not press the [INFO] button within 20 seconds, the component LED light will turn off and exit set-up mode and you will need to start over.

- STEP2** Press the [INFO] button. The component LED light will indicate the three digits that comprise the code number by blinking the corresponding number of times for each digit, separated by a one second interval, during which time the component LED light will turn off.

E. Programming Volume Control .
Example : One blink, three blinks and eight blinks, separated by a one second interval during which time the component LED turns off, indicates a code number of 138.

***Note :** Ten blinks is equal to the number 0.

D. Programming AUX to operate a fourth component (i.e., a second TV, VCR, or DVD or AUDIO)

- STEP1** Turn on the component you wish to operate.

- STEP2** Press the [AUX] button and the [OK] button simultaneously for 3 seconds. The [AUX] LED light will turn on.

***Tip :** If you do not press the desired component button within 20 seconds, the [AUX] LED light will turn off and exit set-up mode and you will need to start over.

- STEP3** Press the [VOL+] button.

***Tip :** If you do not press the [VOL+] button within 20 seconds, the component LED light will turn off and exit set-up mode and you will need to start over.

- STEP3** Press the [STB] button.

The STB LED light will blink twice to confirm the programming.

To return to the original default state:

If you wish to restore the TV volume control in STB mode, repeat the above steps by pressing [TV] in **STEP3**.

F. Programming Channel Control.
By following the steps below, the user can program the channel controls (Channel Up, Channel Down and Last) from one component to operate in another component mode. The default channel control settings on the remote control is as follows:

STB : STB

VCR : VCR

AUX : AUX

If you wish to store the TV channel control in TV mode, use the following steps.

- STEP1** Press the [TV] button and the [OK] button simultaneously for 3 seconds until the TV LED light turns on.

***Tip :** If you do not press the [VOL-] button within 20 seconds, the TV LED light will turn off and exit set-up mode and you will need to start over.

- STEP2** Press the [VOL-] button.

The TV LED will blink twice to confirm the programming.

To return to the original default state:

If you wish to restore the STB channel control in TV mode, repeat the above steps by pressing [STB] in **STEP3**.

G. Low Battery Warning.

When the battery is low and needs to be replaced with fresh batteries, the remote control component LED lights will blink 2 times in sequence whenever a [POWER] button is pressed to turn on components

H. Memory Lock System.

This remote control is designed to retain programmed memory for 10 years even after batteries are removed from the remote control.

I. Write your component Set-up codes.

TV Set-up Code Number :

VCR Set-up Code Number :

AUX Set-up Code Number :

6 Set-up Code Tables

TV	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	072 081 160 161 096
ADVENT	247
AIKO	103
AKAI	006 146 248
ALARON	028
AMARK	112 143
AMERICA ACTION	043
AMPRO	073
ANAM	043 054 055 056 080 112
AOC	058 006 004 112
APEX DIGITAL	015 226 037
AUDIOVOX	076 103 043 035
BAYSOMIC	043
BELL&HOWELL	072
BRADFORD	043
BROKSONIC	096
CANDLE	006 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	148
CETRONIC	043
CINERAL	103 120
CITIZEN	006 002 003 004 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 051
CORONADO	143
CRAIG	043 054 028
CROSLEY	164
CROWN	043 143
CURTIS MATHEWS	006 004 101 143 011 072 081 120 164
CXC	043
DAEWOO	076 103 055 004 127 143 016 043 044 125 120
DAYTRON	004 143
DELL	041
DENON	011
DUMONT	004 073
DWIN	161
DYNASTY	043
DYNATECH	062
ELECTROBAND	001
ELECTROHOME	024 076 143
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154
ESA	078
FISHER	007 057
FUJITSU	164 028 198 246 066
FUNAI	028 043 052 249
FUTURETECH	043
GATEWAY	242 078
GE	006 073 144 160 161 004 008 009 034 056 074 091 155 081 120

TV	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
REALISTIC	007 019
RUNCO	072 073 050
GRUNPY	028 043
HALL MARK	004
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158
HP	027 039
HYUNDAI	049 067
INFINITY	164
INSIGNIA	024
INKEL	129
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 006 008 024 030 065 101 143 156 160
JENSEN	013
JVC	038 001 034 083 206
KENWOOD	006 001
KLOSS	002 059
KTV	006 043 143 154
LG	004 106 119 110 112 113 127 143 084
LODGENET	072
LOEWE	207 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	006 003 004 022 059 060 061 063 064 127 164 094 160 028 035
MAJESTIC	072
MARANTZ	164 006
MATSUI	164
MATUSHITA	080
MEGATRON	004
MITSUBISHI	109 024 042 004 040 146 028 081 225
MOTOROLA	081
TELERENT	072
TERA	172
TMK	004
NAD	015 025
OPTIMUS	080
OPTOMA	029 032
PHILCO	006 003 004 024 056 059 060 063 064 127 143 164
VIDIKRON	174 188 164 050
VIDTECH	004
PORTLAND	004 143 103
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143
WESTING HOUSE	076 036
YAMAHA	004 006
YUPITERU	043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081
ZONDA	112

VCR & TV/VCR	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	025 053
AIKO	117
AIWA	034 161 101
AKAI	043 046 124 146
AMERICA ACTION	117
SANSEI	120
SANSUI	096
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 143
SEARS	004 007 015 028 030 057 082 094 143 160 052 164
SEMINOX	043
SEMP	015
SHARP	081 014 019 028 004 022 143 175
SIGNATURE	072
SONY	001 126 139
SOUNDESIGN	003 004 028 043
SPECTRICON	112
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUPRE MACY	002
SUPREME	001
SVA	079
SYLVANIA	006 003 059 060 063 064 127 160 164 044 249
SYMPHONIC	052 249
SYNAX OLEVIA	084
TANDY	081
TATUNG	056 062
TECHNICS	034 080
MATSUI	164
TECHNOL ACE	028
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143 103 164
MOTOROLA	081
TELERENT	072
TERA	172
TMK	004
INCI	073
TOSHIBA	015 030 007 040 062 101 045
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDEKRON	174 188 164 050
VIDTECH	004
PORTLAND	004 143 103
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143
WESTING HOUSE	076 036
YAMAHA	004 006
YUPITERU	043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081
ZONDA	112

VCR & TV/VCR	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
LXI	003 009 017 034 101 004 106
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 068 041 156 170
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	040 101 003 014 031 034 053 072 134 139 025
MGA	045 046 059
MGN TECHNOLOGY	040
MINOLTA	004 020
MITSUBISHI	059 061 051 004 046 020 045 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
PILOT	101
PIONEER	021 004 048
PORTLAND	108
DYNATECH	034 053
PROFTRONIC	040
PROTEC	024
RCA	107 109 144 041 031 004 020 034 040 140 147 158 053
SALORA	014
SAMSUNG	040 017 107 109 113 115 124 122
SANKY	053
SANSUI	043 135 048 025 034
SANYO	003 014 040 134
SCOTT	017 037 129 131
SEARS	003 004 008 014 017 081 101 010 031 034
SHARP	053 031 054 159
SHINTOM	024
SHOGUN	040
SINGER	024
SONY	001 057 058 003 052 053 031 154 171 009 034
SOUNDDESIGN	034
STS	004
JCL	031
JCPENNEY	004 012 031 040 101
JENSEN	043
JVC	048 043 055 060 130 150 152 012 031
KEC	101 117
KENWOOD	034 150 014 048
TEAC	034 043
TATUNG	043
TEAC	034 043
KODAK	031 101
LG	101 004 012 020
LLOYD	034
TMK	006 040
ZOSIERA	017 131 004 008 059 082 150 024
LOGIK	024

VCR & TV/VCR	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 034 046
WARDS	003 004 017 024 031 034 040 053 054 131
ZENITH	072 034 001 058 080 101 153 048 025

*Note : For TV/VCR or TV/DVD combination unit, Please use following steps to operate the volume control.

- STEP1 Press the [STB] button and the [OK] button simultaneously for 3 seconds. The [STB] button will light on for 20 seconds.
- STEP2 Press the [VOL+] button.
- STEP3 Press the [VCR] button. The LED will blink twice to confirm the programming.

DVD & TV/DVD (VCR)	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
MYRYAD	224
NAD	247 239
NAKAMICHI	225
ONKYO	240
OPTIMUS	229
PANASONIC	228 206 226
PHILIPS	253 237 214 242
WESTINGHOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 034 043
ZENITH	072 034 001 058 080 101 153 048 025

AUDIO(AUX)	
MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ENLIGHTENED AUDIO	049 050
FISHER	151
FOSGATE AUDIONICS	062 148
GOLDSTAR	072 006
HARMAN KARDON	153 146 162 060 066 115
HITACHI	020
INKEL	005
INTEGRA	084 046 012 030 041 081 103 044
JCPENNEY	102 204
JENSEN	058
JVC	013 163 176
KENWOOD	005 026 057 166 095
KOSS	102
KRELL	

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