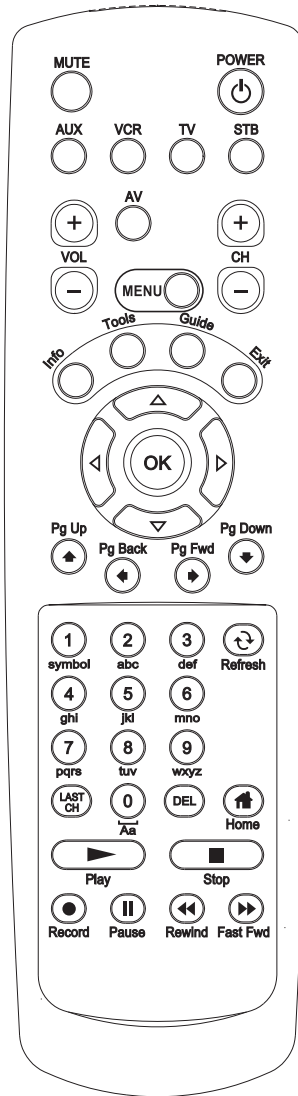


Operating Instructions For The PalAmino4 4-Function Remote Control



Universal Remote Control, Inc.
www.universalremote.com
OCE-0040A Rev 10(08/17/11)

1 Introduction

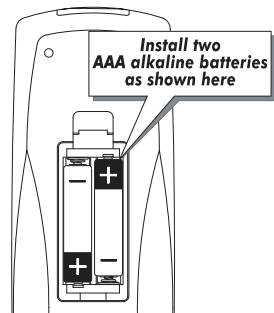
The remote control is designed to operate the PalAmino4 of Set-Top Boxes (STBs) and the majority of TVs, VCRs, DVDs and AUDIO components on the market today, as shown below.

- 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.

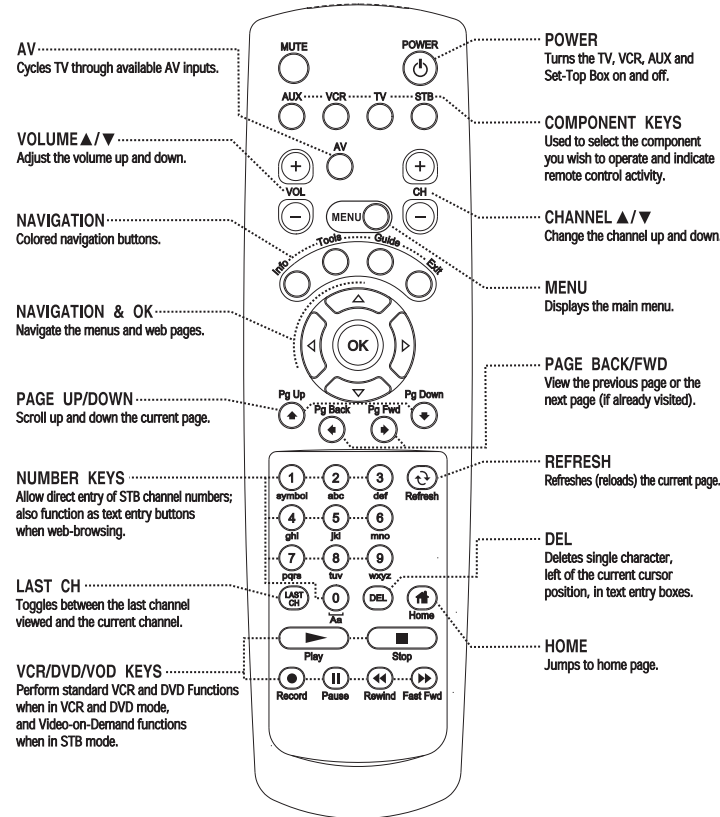


4 Operations

Device Default: PalAmino4 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.

***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 will blink twice to confirm that the code has been stored.

***Note:** Try all the functions on the remote control. If any of the functions do not work as they should, repeat from Step 2 using the next three-digit code number from the same brand list.

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

- STEP4** Press the same [COMPONENT] button to store the code. The component LED light will blink twice to confirm that the code has been stored.

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.

Example: One blink, three blinks and eight blinks, separated by a one second interval during which time the component LED light 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 [COMPONENT] button you wish to operate.

- STEP4** Point the remote control toward the component you want to program and enter the three-digit code number assigned to your TV brand from the code tables.

***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.

- STEP5** Store the three-digit code number by pressing the [AUX] button once again. The component LED light will blink twice to confirm that the code has been stored.

***Note:** Now turn on the component and test the component functions on the remote control. If any function does not work properly, repeat from STEP 2 using the next code number listed for your component brand until you find a perfect match.

E. Programming Volume Control.

By following the steps below, the user can program the volume controls (Volume Up, Volume Down and Mute) from one device to operate in another device mode. The default volume control settings on the remote control is as follows:

STB : TV TV : TV
VCR : TV AUX : AUX

If you wish to store the STB volume control in STB mode, use the following steps.

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

***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.

- STEP2** Press the [VOL ▲] button.
- 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 TV : 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.

- STEP3** Press the [TV] button.

The TV LED light 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 :

For additional information about your remote control, go to www.universalremote.com

6 Set-up Code Tables

STB

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
AMINO	001 002
MINERVA	003

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	072 081 160 161 096
ADVENT	247
AIKO	103
AKAI	006 146 248 150 157 167 078 184 185 255
ALARON	028
ALMARK	112 143
AMERICA ACTION	043
AMPRO	073
ANAM	043 054 055 056 080 112
AOC	058 006 004 112 121
APEX	227
APEX DIGITAL	015 226 037
AQUAVISION	148
ASTAR	189
AUDIOVOX	076 103 043 035 145 197
AVION	219
BAYSONIC	043
BELL&HOWELL	072
BENO	241
BRADFORD	043
BROKSONIC	096
CANDLE	006 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	001
CEIRONIC	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
CROSLLEY	164
CROWN	043 143
CURTIS MATHES	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	041 142
DENON	011
DIGITAL PROJECTION	224
DUMONT	004 073
DWIN	102 104 161
DYNASTY	043
DYNATECH	062
DYNEX	145
FISHER	007 057
ELECTROBAND	001
ELECTROGRAPH	182
ELECTROHOME	024 076 143
ELEMENT	084 190
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154 213
EPSON	026 235
ESA	078
FUJITSU	164 028 198 246 066 138
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
GEM	078
GIBRALTER	004 073
GOLDSTAR	004 106 119 110 112 113 127 143
GRUNPY	028 043
HAIER	084 196
HALL MARK	004
HANNSPREE	046
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HISENSE	170 179
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158 166 254 232
HP	027 039 214 085
HUMAX	069
HYPERION	253
HYUNDAI	049 067
ILO	183 145
INFINITY	164
INFOCUS	068 092 097 240
INSIGNIA	024 145 147 148 149 180 244 128
INKEL	129
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 006 008 024 030 065 101 143 156 160
JENSEN	013
JVC	038 001 034 083 206 159
KENWOOD	006 001
KLEGG	182
KLOSS	002 059
KONKA	180
KREISEN	090
KTV	006 043 143 154
LG	004 106 119 110 112 113 127 143 084 223
LODGENET	072
LOEWE	207 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	006 003 004 022 059 060 061 063 064 127 164 094 160 028 035 124 181 215
MAJESTIC	072
MARANTZ	164 006 230 231
MATSUI	164
MATSUSHITA	080
MEGATRON	004
MINTEK	108 168
MITSUBISHI	109 024 042 004 040 146 028 081 225
MOTOROLA	081
ITC	006 004 062 101
MULTITECH	043
NAD	015 025
NIKO	220
NORCENT	124
NUVISION	221
OLEVIA	216 084 132
OPTIMUS	080
OPTOMA	029 032
PANASONIC	080 098 243 251
PHILCO	006 003 004 024 056 059 060 063 064 127 143 164
PHILIPS	164 005 038 093 127 006 003 004 059 210 215 161 239
PIONEER	023 025 135 176 004 018 006 209 234 118 131 140
POLAROID	015 077 078 079 070 177 178 190 199 200 212
PORTLAND	004 143 103

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
PRISM	034
PROSCAN	144 160 161
PROTON	004 058 143 171 113 172 086
PROTRON	130 141 192 193 195
PROVIEW	190
QUASAR	034 056 250
RADIO SHACK	004 019 127 143 043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081 233
REALISTIC	007 019
RUNCO	072 073 050 137 169
SAMPO	006 004 058 242
SAMSUNG	004 101 127 133 143 160 089 105 211 228 229
SAIWEI	120
SANSUI	096 145 255
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 143 191
SEARS	004 007 015 028 030 057 082 094 143 160 052 164
SEMIVOX	043
SEMP	015
SHARP	081 014 019 028 004 022 143 175
SHERWOOD	100
SIGNATURE	072
JENSEN	001 126 139 252
SOUNDESIGN	003 004 028 043
SOYO	086
SPECTRICON	112
SPECTRONIQ	193 195
SQUAREVIEW	052
SSS	004 043
STARLITE	043
CURTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 111 117 017 065 007 010
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031 034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150
HQ	034
HUGHES	004
INSTANTREPLAY	031
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
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
WESTING HOUSE	076 036 001 217 218
WINBOOK	031
YAMAHA	004 006 115 116 162 165
YORK	004
YUPITERU	043
ZENITH	072 073 095 103 011 096
ZONDA	112

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
AMERICAN HIGH	031
AMPRO	072
ANAM	031 103
ASHA	040
AUDIO DYNAMICS	012 023 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	148
CRAIG	003 040 135 024 101
CURTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 111 117 017 065 007 010
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031 034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150
HQ	034
HUGHES	004
INSTANTREPLAY	031
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
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024

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
ITC	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
PROFITRONIC	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
SOUNDESIGN	034
STS	004
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	034 010
TATUNG	043
TEAC	034 043
TECHNICS	031 070
TEKNIKA	031 034 101
THOMAS	034
TMK	006 040
TOSHIBA	017 131 004 008 059 082 150
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 034 043
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.

VCR(DVD)

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADCOM	157
AIWA	202
AKAI	199
ALPINE	221
ANTHEM	104
APEX DIGITAL	251 246 182 183
ARCAM	215 122
CAMBRIDGE AUDIO	165 149 102
CARY AUDIO DESIGN	184 151
CLASSE	193
COBY	212
CYBERHOME	220 213
DAEWOO	220
DENON	226 241 166 110
DURABRAND	211
DYNEX	116
EMERSON	211
ESA	211
FUNAI	208 211
GE	230 231
GOLDSTAR	235 239
GO VIDEO	201 187 188 189 194
HARMAN KARDON	243
HITACHI	223
HITEKER	246
INSIGNIA	175 177 239 254 116
INTEGRA	198 196 121
JVC	238
KENWOOD	216
KISS	197
KLH	210
LG	148 190 118
LITEON	160
MAGNAVOX	254 237 211
MARANTZ	253 242 148
MCINTOSH	217
MEMOREX	207
MINTEK	200
MITSUBISHI	227
MVRYAD	224
NAD	247 239 112
NAKAMICHI	225
ONKYO	240 196 121
OPPO	125
OPTIMUS	229
PANASONIC	228 206 226 169 105
PARASOUND	173
PHILIPS	084 046 012 030 041 081 103 044 046
PIONEER	255 222 229 180 114
POLAROID	195 174 175
PRIMARE	185 186
PROCEED	245

VCR(DVD)

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
PROSCAN	230 231
RCA	230 231 176
SAMSUNG	236 248 201 191 167 179
SANSUI	205
SANYO	204
SENSORY SCIENCE	189 190
SHARP	252
SHERWOOD	173 128
SONY	232 218 203 172 141 142 143 145 126 119
SPECTRONIQ	250
SUPERSCAN	211
SV2000	211
SYLVANIA	208 211
SYMPHONIC	208 211
TATUNG	224
TECHNICS	228
THETA DIGITAL	229
TOSHIBA	233 244 219 205 192 196 106
TRUTECH	178
VENTURER	20