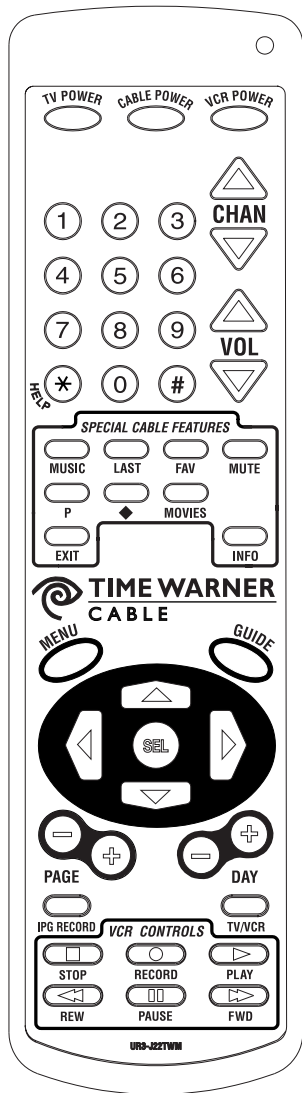


Operating Instructions For 3 Function Cable Remote Control

UR3-J22TWM



Universal Remote Control, Inc.
www.universalremote.com
OEE-0035N Rev 07 (07/09/04)

1 Introduction

The remote control is designed to operate the Motorola® CFT2200 set top box and the majority of TV and VCR/DVD equipment on the market.

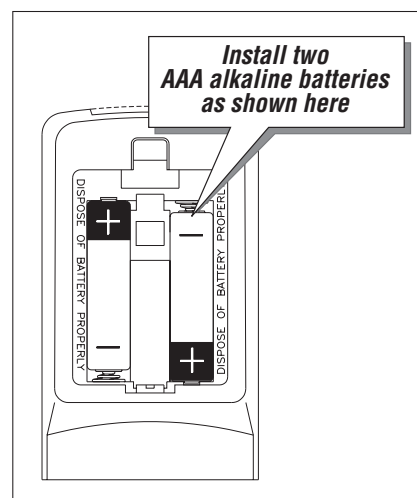
2 Replacing Batteries

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 below.

STEP3 Replace the battery compartment cover.

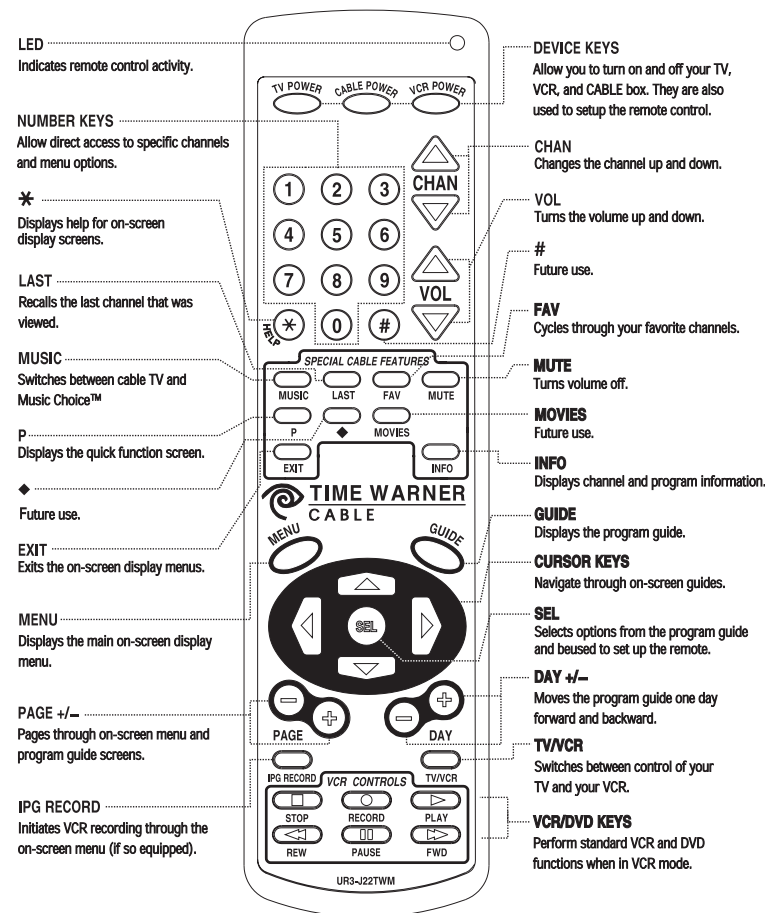


4 Operations

Default State :
Device Default: Motorola® CFT2200

Volume Default : TV volume and mute through the TV, with the option of controlling volume and mute through the Cable Converter. Refer to Section E for programming the volume and mute through your Cable Converter.

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 particular manufacturers and brands of Audio/Video equipment. The three-digit code numbers are listed in the code table of the instruction manual.

STEP1 Turn on the equipment you wish to program. (TV, VCR, or DVD)

STEP2 Press the [DEVICE] button (TV POWER or VCR POWER) to be programmed and the [SEL] button simultaneously for 3 seconds. The LED will turn on indicating the unit is ready to be programmed.

***Tip:** The LED will stay lit for 20 seconds. The next step must be entered while the LED is on.

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

***Tip:** The equipment 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 [MUTE] button, the equipment should turn on or turn off.

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

STEP4 Store the three-digit code number by pressing the same [DEVICE] button once again. The 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 equipment 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 equipment by the following steps:**

STEP1 Turn on the equipment you wish to operate.

STEP2 Press the [DEVICE] button (TV POWER or VCR POWER) to be programmed and the [SEL] button simultaneously for 3 seconds. The LED will turn on.

***Tip:** The LED will light on for 20 seconds. The next step must be entered while LED is on.

STEP3 Point the remote control toward the equipment and alternately press the [CH+] (or [CH-]) button and the [MUTE] button. If the right code number is sent, the equipment will turn off.

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

STEP4 Press the same [DEVICE] button to store the code. The LED will blink twice to confirm that the code has been stored.

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

STEP1 Press the [DEVICE] button (TV POWER or VCR POWER) you wish to verify and the [SEL] button simultaneously for 3 seconds.

***Tip:** The LED will turn on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [INFO] button.

The LED will blink number of times indicating the number of each digit of the code number. Each digit is separated by a 1 second interval of the LED being turned off.

Example : One blink, three blinks and eight blinks with an interval of 1 second of LED being turned off, indicates the code number 138.

Note : Ten blinks is equal to the number 0.

D. Programming a second TV to VCR Mode.

STEP1 Press the [VCR POWER] button to be programmed and the [SEL] button simultaneously for 3 seconds.

***Tip:** The LED will turn on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [TV POWER] button to pick up the TV code table.

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

STEP4 Store the three-digit code number by pressing the [VCR POWER] button once again. The LED will blink twice to confirm that the code has been stored.

E. Volume Punch Through:

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 TV volume control. If you wish to store the CABLE volume control in CBL mode, use the following steps.

STEP1 Press the [CABLE POWER] button and the [SEL] button simultaneously for 3 seconds.

***Tip:** The LED will light on for 20 seconds. The next step must be entered while the LED is on.

STEP2 Press the [VOL +] button.

STEP3 Press the [CABLE POWER] button. The LED will blink twice to confirm the programming.

To return to original state:

If you wish to restore the TV volume control in CBL mode, repeat the above steps by pressing [TV POWER] in step 3.

F. LOW BATTERY WARNING:

When the battery is low (2.0V-2.3V) and needs to be replaced with fresh batteries, the LED will blink twice whenever a device [POWER] button is pressed to turn on equipment.

G. Memory Lock System:

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

H. Write your device Set-up codes:

TV Set-up Code Number :

VCR Set-up Code Number :

6 Set-up Code Tables

CABLE TV

Remote	Converter	Converter Model	Code No
UR3-J22TWM	Motorola	CFT2200	004

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	072 081 160 161 096
AIWA	238
AKAI	070 146 004
AKIO	103
ALARON	028
AMARK	112 143
AMERICA ACTION	043
AMERICAN HIGH	236
AMPRO	073 167 245
ANAM	043 054 055 056 080 112 236
AOC	058 070 004 112 222
AUDIOVOX	076 103 043
BAYSONIC	043
BELL&HOWELL	072
BRADFORD	043
BROKSONIC	231 252 096 170
CAIRN	162
CANDLE	070 002 003 004
CANON	236
CAPEHART	058
CARVER	164
CELEBRITY	001
CETRONIC	043
CINERAL	103 120
CITIZEN	070 002 003 004 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 051 207 230
CORONADO	143
CRAIG	043 054 028 239
CROSLLEY	164
CROWN	043 143
CURTIS MATHES	070 004 101 143 236 011 072 081 120 164
CXC	043
DAEWOO	076 103 055 004 127 143 016 043 044 125 120 214 215 229 235 249
DAYTRON	004 143
DENON	011
DUMONT	004 073
DWIN	161
DYNASTY	043
DYNATECH	062 209 238
ELECTROBAND	001
ELECTROHOME	024 076 143
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154 216 217 230 231 236 238 247 252

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ENVISION	070
FISHER	007 057
FUJITSU	164 197 028 157
FUNAI	028 043 238 052 168
FUTURETECH	043
GE	070 073 130 144 160 161 004 008 009 034 056 074 074 091 155 223 224 232 233 236 239 245 081 120
GIBRALTER	004 073
GO VIDEO	239
GOLDSTAR/LG	004 106 119 110 112 113 127 143 247 250
GRUNPY	028 043
HALL MARK	004
HARLEY DAVIDSON	028
HARMAN KARDON	211 164
HARVARD	043
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158 208 236 238
HQ	238
INFINITY	164
INKEL	129
INSTANTREPLAY	236
INTEQ	073
JBL	164 209
JCB	001
JCL	236
JCPENNEY	004 008 024 030 065 070 101 143 160 156 221 234 236 239 247
JENSEN	013
JVC	038 001 034 083 195 236 242 159
KENWOOD	070 001 238
KLOSS	002 059
KMC	219
KTV	070 043 143 154
LLOYD	238
LODGENET	072
LOEWE	196
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164 238
MAGIN	239
MAGNAVOX	070 003 004 022 059 060 061 063 064 127 164 094 160 056 236 238 243 253 028
MAJESTIC	072
MARANTZ	164 070 236 243
MARTA	247
MATSUI	164
MATSUSHITA	080
MEGATRON	004
MEI	236
MEMOREX	004 007 072 234 236 238 245 247 028 096
MEIZ	088
MGA	024 070 004 042 239
MIDLAND	073
MINERVA	088
MINUTZ	008
mitsubishi	109 024 042 004 040 146 028 226 232 255 081 200
MOTOROLA	081

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
MTC	070 004 062 101 209 229 238 239
MULTITECH	238 043
NAD	015 025
NEC	070 130 134 040 056 007 019 024 004 213 182
NIKEI	043
NIKKO	103
NTC	103
ONKING	043
ONWA	043
OPTIMUS	080
OPTONICA	019 081
ORION	096 201 202 203 204 205 231 252 028
PANASONIC	034 056 080 164 206 234 236 244 190 198
PENTAX	236
PHILCO	070 003 004 024 056 059 060 063 064 127 143 164 236 238 243
PHILIPS	164 005 038 093 127 070 003 004 059 236 238 243 247 199
PILOT	247
PIONEER	023 025 135 176 004 018 070 183 191
PORTLAND	004 143 103
PRISM	034
PROSCAN	144 160 161 167
PROTON	004 058 143 171 173 193
QUASAR	034 056 234 236 244
RADIO SHACK	004 019 127 143 043 250
RCA	160 161 144 156 065 070 004 023 024 056 074 152 221 232 233 236 238 239 081
REALISTIC	007 019 236 238 239 247
RICO	241
RUNCO	072 169 073 130 179 180 181
SAMPO	070 004 058 218 220 165
SAMSUNG	004 101 127 133 143 160 089 105 070 237 239 248 184 185 192
SANSEI	120
SANSUI	238 252 096
SANYO	007 053 057 082 020 212 239
SCOTCH	004
SCOTT	004 005 028 043 048 143
SEARS	004 007 015 028 030 057 082 094 143 160 238 247 052 164
SELECO	189
SEMIVOX	043
SEMP	015
SHARP	081 014 019 028 004 022 143 175 236 251
SIGNATURE	072 238
SOLE	177 178
SONY	001 085 126 139 236 240 241 254
SOUNDESIGN	003 004 028 043 238
SPECTRICON	112
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUPRE MACY	002
SUPREME	001
SYLVANIA	070 003 059 060 063 064 127 160 164 044 056 210 236 238 243 168
SYMPHONIC	052 238 168
TANDY	081 238

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
TATUNG	056 062 209
TEAC	238
TECHNICS	034 080 236 244
TECHNOL ACE	028
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143 103 227 236 238 247 164
TELERENT	072
TERA	172
THOMPSON	166
TNCI	073
TMK	004
TOSHIBA	015 030 007 040 062 101
TOTEVISION	143 239 247
UNITECH	239
UNIVERSAL	008 009
VIDEO CONCEPTS	146 238
VIDESONIC	239
VIDIKRON	174 188 164
VIDTECH	004
WESTING HOUSE	076
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143 070 224 225 236 238 239
YAMAHA	004 070 238
YORK	004
YUPITERU	043
ZENITH	011 072 073 095 103 238 241 245 246 247 096
ZONDA	112

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	025 053
AIKO	117
AIWA	034 101
AKAI	016 043 046 124 125 142 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031
ASHA	040
AUDIO DYNAMICS	012 023 039 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 044 129 152 153 231 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	024
CRAIG	003 040 135 024 101
CURTIS MATHES	031 041 156
CYBERNEX	040
DAEWOO	117 119 005 116 007 010 108 110 112
DAYTRON	108
DIMENSIA	156

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 025 027 034 036 037 046 101 129 131 138 017 031 044 152 153 157 231 117
FISHER	003 008 009 010
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 151 107 109 156 232 233 040 053
GO VIDEO	040 132 136
GOLDSTAR / LG	101 123 012 013 114
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	013 026 034 063 137 150 156 031
HUGHES	013
HQ	034
INSTANTREPLAY	031
JCL	031
JCPENNEY	012 013 040 101 156 066 031 234
JENSEN	043
JVC	048 050 043 130 060 012 031 150 055 158
KEC	101 117
KENWOOD	014 034 047 048 023
KLH	024
KODAK	031 101
LLOYD	034
LOGIK	024
LXI	034 003 009 017 101
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 041 068 154 160
MARANTZ	067 069 031 067 012 023
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	102 101 003 010 014 031 034 053 072 139 134 234 025 040
MGA	045 046 059 040
MGN TECHNOLOGY	040
MINOLTA	013 156
MITSUBISHI	059 061 046 051 142 013 045 162 232 053
MOTOROLA	031 053
CANON	034 040
MULTITECH	024 034
NEC	012 023 043 048 039
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
OPTONICA	053 054
ORION	153 231 025
PANASONIC	070 133 031 066 160 161 234
PENTAX	013 031 063 156

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
PHILCO	031 034 067 025
PHILIPS	031 067 034 101 054 071
PILOT	101
PIONEER	021 013 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
QUARTZ	002 014
QUASAR	070 133 161 031 066 160 234
RADIO SHACK	123 034
RADIX	101
RANDEX	101
RCA	107 109 144 147 151 013 041 034 040 156 031 140 232 233 053
REALISTIC	003 008 010 014 031 034 040 053 054 101
RICO	058
SALORA	014
SAMSUNG	102 040 032 104 107 109 112 113 115 120 122 125 159
SANKY	053
SANSUI	043 048 135 022 034 153 025
SANYO	003 010 102 007 014 134 040
SCOTT	017 037 044 129 131 112 159
SEARS	003 008 009 010 013 014 017 081 101 031 034
SHARP	031 054 053 143
SHINTOM	024
SHOGUN	040
SIGNATURE	034
SINGER	024
SONY	001 057 058 003 052 031 155 034
SOUNDESIGN	034
STS	013
SYLVANIA	031 059 034 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043 023
TEAC	034 039 043 023
TECHNICS	031 070
TEKNIKA	031 019 034 101
THOMAS	034
TMK	006 040
TOSHIBA	112 008 131 047 059 082 013 042
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 046 034 141
VIDESONIC	040
WARDS	003 013 024 031 034 040 053 054 017 131
WESTING HOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 043 034 039
ZENITH	072 080 001 048 034 101 058 025

**Note : For TV/VCR combination unit, Please set up TV code number in the TV mode to operate the volume, Set up VCR code number in the VCR mode to operate the VCR functions.*

DVD(VCR)

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
AIWA	210 214
ALPINE	179
APEX DIGITAL	196 197
ARCAM	165
CYBERHOME	170
DAEWOO	170
DENON	184 226
FUNAI	212
GE	188 189
GOLDSTAR / LG	182 194
GO VIDEO	228
HARMAN KARDON	217
HITACHI	181
HITEKER	197
INTEGRA	208
JVC	185
KENWOOD	166
KLH	230
KRELL	218
LEXICON	216
MAGNAVOX	178 191 195
MARANTZ	176 177
MCINTOSH	167
MITSUBISHI	186
MYRYAD	211
NAD	198
ONKYO	207
OPTIMUS	187
PANASONIC	173 192 219
PHILIPS	164 176 177 191 195 209
PIONEER	175 180 187
PROCEED	172
PROSCAN	188 189
RCA	188 189
SANYO	215
SAMSUNG	183 193 228
SHARP	174
TECHNICS	168 190 213
SYLVANIA	212
SYMPHONIC	212
TECHNICS	173
THETA DIGITAL	187
TOSHIBA	169 171 191 206 227
VENTURER	229
YAMAHA	192 199
ZENITH	182 194