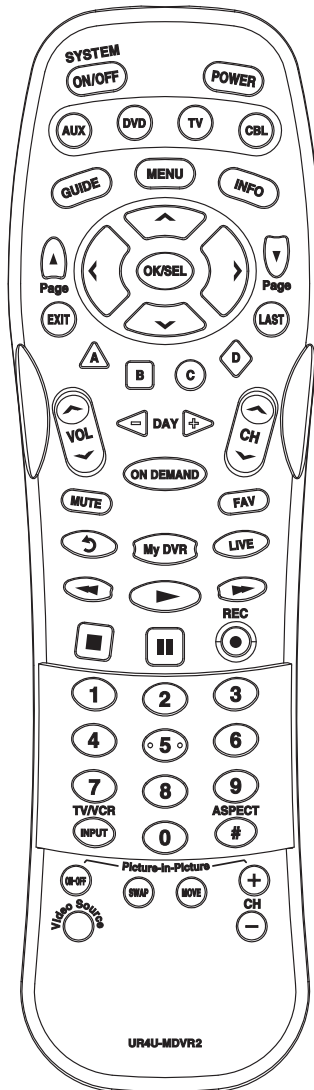


Operating Instructions For 4-Function Cable Remote Control

UR4U-MDVR2



Universal Remote Control, Inc.
www.universalremote.com
OCE-0053B REV 19 (01/10/13)

1 Introduction

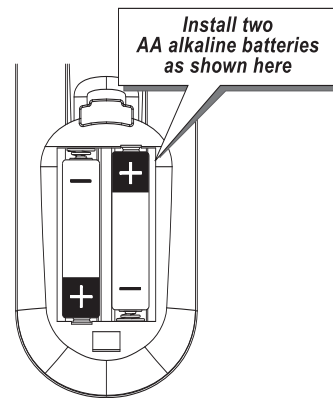
This remote control is designed to operate all Motorola and Scientific Atlanta digital set top boxes (including HD and DVR), plus the majority of TVs, VCRs, DVDs and AUDIO equipment on the market as shown below.

CABLE : Cable Converters **TV** : Televisions
DVD : DVDs, TV/DVDs, VCRs and TV/VCRs
AUX : Audio Receivers and DVRs, etc.

2 Replacing Batteries

Before you program or operate this remote control, you must first install two new AA 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.



3 Operations

DEFAULT STATUS:

Component Default: CABLE
Channel Default: CABLE channel +/- and numbers operate through the CABLE box. You have the option of controlling channel +/- and numbers through the TV, VCR or DVD. Refer to section H for programming steps.

Volume Default: CABLE volume +/- and mute operate through the TV. You have the option of controlling volume through the Cable box, VCR or DVD. Refer to section I for programming steps.

4 Button Functions

5 Programming the Remote Control

There are three ways you can program your remote control:

- * Quick Set-Up Method
- * The Pre-Programmed 3-Digit Code Method
- * The Auto-Search Method

The Quick Set-Up Method is a unique new feature that enables the fastest and easiest set-up by using one-digit codes for up to 10 major brands for each component.

The Pre-Programmed Code Method allows you to setup all the buttons at once by entering 3-digit code numbers that correspond to a particular Component's manufacturer/brand, so it's the fastest and easiest of the two methods. (Code Tables are on the backside of this Instruction Sheet.) The Auto-Search Method scans through all the codes in the remote control, one at a time.

IMPORTANT SETUP NOTES:

This pertains to all programming steps. When you are in setup mode in each component, a component LED will light up for 30 seconds. If you do not press a button within 30 seconds, the LED light will turn off and exit setup mode and you will need to start over.

When programming a combo unit, program as a VCR or DVD first.

A. Quick Set-Up Method

- STEP1** Turn on the component you want to program. To program your TV, turn on the TV.
- STEP2** Point the remote control at the component.
- STEP3** Press and hold the [DEVICE] key for 5 seconds until the Device LED will blink once and stays on. Continue to hold the [DEVICE] key and press the number key assigned to your brand in the Quick Set-up Code Table. The component should turn off as soon as the number key is pressed. (If it does not turn off, release the [DEVICE] key and use the Pre-Programmed 3-Digit code Method or Scanning Method.)
- STEP4** Release the [DEVICE] key to save the code. The Device LED will blink twice to confirm that the code is stored.

Repeat the steps above for all components (TV, DVD, AUX).

B. Quick Set-up Code Tables

TV

Quick Number	Manufacturer/Brand
0	SANYO
1	SONY
2	SAMSUNG
3	LG
4	TOSHIBA
5	PANASONIC
6	PHILIPS
7	HITACHI
8	SHARP
9	VIZIO

DVD

Quick Number	Manufacturer/Brand
0	HITACHI
1	SONY
2	PHILIPS
3	SAMSUNG
4	PHILIPS MAGNAVOX
5	PANASONIC
6	LG
7	JVC
8	DENON
9	PIONEER

AUX

Quick Number	Manufacturer/Brand
0	BOSE
1	HP
2	APPLE/iPod
3	APPLE/iPod
4	MICROSOFT / XBOX
5	SONY / PS2
6	LUTRON
7	X-10
8	ZINWELL
9	MICROSOFT / XBOX

C. Pre-Programmed 3-Digit Code Method

- STEP1** Turn on the Component you want to program (TV, VCR, DVD or AUX).
- STEP2** Press the [COMPONENT] button (TV, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds indicating the unit is ready to be programmed.

- STEP3** Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

**Note : If the 3-digit code number you just entered is correct, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.*

- STEP4** After you've entered the correct code number and the Component has turned Off, press the [POWER] button to turn the Component back On. Now it's time to test the VOLUME and MUTE buttons for the TV (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. If any of the functions do not work as they should, repeat from STEP 3 using the next 3-digit code number listed for that brand.

- STEP5** Once you have found the correct 3-digit code, save it by pressing the same [COMPONENT] button one more time. The Component LED light will blink twice to confirm that the code was successfully stored.

Now, program the rest of your Components by repeating STEPS 1-5.

**Note : If the Pre-Programmed Method did not work, or if the Code Tables do not list your Component brand, use the Auto-Search Method as explained in Section D.*

D. Auto-Search Method

- STEP1** Turn on the Component you want to program (TV, VCR, DVD or AUX).
- STEP2** Press the [COMPONENT] button (TV, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds indicating the unit is ready to be programmed.
- STEP3** Point the remote toward the Component and press the [CH ▲] or [CH ▼] button one step at a time or keep it pressed. The remote will emit a series of ON/OFF commands. Release the [CH ▲] or [CH ▼] button as soon as the Component turns Off.

- STEP4** Test functions. (Same as for 3-Digit Code Programming Method - Section C). If any of the functions do not work as they should, repeat from STEP 3 using [CH ▲] or [CH ▼] buttons to find the correct code.

- STEP5** Save the code. (Same as for 3-Digit Code Programming Method - Section C).

Now, repeat the Auto-Search Method for those Components you could not program earlier with the Pre-Programmed Method.

E. Finding a Component Button's Setup Code Number

If you used the Auto-Search Method to program a Component, you may not know what the correct code number is. Here is a way for you to identify the code number, so you can record it for future reference.

- STEP1** Press the [COMPONENT] button (TV, DVD or AUX) you want to verify and the [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds.
- STEP2** Press the [INFO] button and count the number of times the Component LED light blinks. This number indicates the first digit of the code, followed by the second and third, each separated by a one second pause when the LED will turn off.

**Note : 10 blinks represents the number zero.
Example : One blink, (pause), eight blinks, (pause) and three blinks, indicates code number 183.*

F. AUX Function: Programming a 4th Component

You can take advantage of the AUX function to program a 4th Component such as a second TV, VCR, DVD or Audio Component.

- STEP1** Turn on the 4th Component you want to program (TV, VCR, DVD or Audio).

- STEP2** Press the [AUX] button and the [OK/SEL] button simultaneously for 3 seconds. The [AUX] Component LED will light for 30 seconds.

- STEP3** Press the [COMPONENT] button you want to setup. Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

**Note : If the 3-digit code number you just entered is the correct number, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.*

- STEP4** Test functions. (Same as for 3-Digit Code Programming Method - Section C). If any of the functions do not work as they should, you need to find a new code.

- STEP5** Once you have found the correct 3-digit code, save it by pressing the [AUX] button one more time. The Component LED light will blink twice to confirm the code was stored. Now when you press the AUX button, all the buttons will work with that 4th Component.

G. Programming the System On/Off Button

This allows you to program the System On/Off button so it can send up to four power On/Off commands with one button press.

- STEP1** Press the [CBL] button.
- STEP2** Press the [SYSTEM ON/OFF] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will light for 30 seconds.
- STEP3** Press the first [COMPONENT] button you want to store in the [SYSTEM ON/OFF] button and then the [POWER] button. Repeat this for other Components until you have stored all the desired power commands into the [SYSTEM ON/OFF] button.
- STEP4** Press the [CH ▲] button to save the power commands you stored. The [CBL] button will blink twice to confirm the commands have been saved.

H. Programming Channel Control

You can program the channel controls (Channel Up, Channel Down, Last and Numbers) from one Component to operate in another Component mode. Default channel control settings on the remote control are as follows:

CBL : CBL **TV** : CBL
DVD : DVD **AUX** : AUX

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

- STEP1** Press the [TV] button and the [OK/SEL] button simultaneously for 3 seconds. The [TV] Component LED will light for 30 seconds.

- STEP2** Press the [VOL ▼] button.

- STEP3** Press the [TV] button again. The Component LED will blink twice to confirm the programming.

To return to original state:

If you wish to restore the CABLE channel control in TV mode, repeat the above steps but press [CBL] in STEP3.

I. Programming Volume Control

You can program the volume controls (Volume Up, Volume Down and Mute) from one Component to operate in another Component mode. Default volume control settings on the remote control are as follows:

CBL : TV **TV** : TV
DVD : TV **AUX** : AUX

If you wish to operate the CBL volume control in CBL mode, use the following steps.

- STEP1** Press the [CBL] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will light for 30 seconds.

- STEP2** Press the [VOL ▲] button.

STEP3 Press the [CBL] button. The Component 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 but press [TV] in **STEP3**.

J. Programming a Favorite Channel

See on-screen Guide Menu.

K. Low Battery Warning

When the batteries are low and need to be replaced with fresh batteries, the Component LED lights will blink 2 times in sequence whenever a [POWER] button is pressed to turn on equipment.

L. Memory Lock System

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

M. Record Your Component Set-up Codes

TV	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
DVD	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
AUX	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>

6 Set-up Code Tables

CABLE Converter

Remote	Converter	Code No	
UR4U-MDVR2	All Motorola digital set top boxes (including HD & DVR)	002	
	All Scientific Atlanta digital set top boxes (including HD & DVR)	001	
	CE-LABS	164	
	EVOLUTION	189	
	EVOLUTION FTA	158	
	nFusion FTA receivers	192	
	MOXI HD DVR set top boxes	003	
	SKY +-HD set top boxes	230	
	SKY HD set top boxes	204	
	TELNET HD box	354	
	WEGENER	004	

TV

Manufacturer/Brand	Set-Up Code Number
ABEX	025
ADMIRAL	072 251 333
AD NOTAM	672
ADVENT	247 388
ADVENTURA	002
AFFINITY	001 197 363
AIBO	103
ALGOND	028
AKAI	197 146 248 404 405 473 475 387 615
A-MARK	112
AMERICA ACTION	043
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	197 112 058 363 616
APEX	572
APEX DIGITAL	006
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	076 454 388
ANTHELO	627 628
ANION	441

TV

Manufacturer/Brand	Set-Up Code Number
BELCOR	363
BELL&HOWELL	072 333
BENQ	600
BRADFORD	043
BROKSONIC	238
BROOKWOOD	363
CASIN	201
CANDLE	197 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	197
CETRONIC	043
CITIZEN	197 002 003 043 103 363 258
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COBY	640 641 671
COLORTIME	197 363
CONCORGE	073
CONCERTO	363
CORTEC	043 050 051
CORNEA	363
CRAIG	043 054
CROSLLEY	164
CROWN	043
CURTIS MATHES	197 363 258
CXC	043
DAEWOO	016 043 044 076 103 363
DAYTRON	363
DELL	320 319 363 618
DIGITAL PROJECTION	570
DIMENSIONA	333
DREAMVISION	235
DUKANE	025 011
DUMONT	073 363
DURABRAND	096
DWIN	177 257
DYNASTY	043
DYNATECH	062
DYNEX	400
EKI	187
ELECTROBAND	001
ELECTROGRAPH	466
ELECTROHOME	024 076
ELEKTRA	072
ELEMENT	363 494 622
EMERSON	028 048 043 155 005 197 047 050 051 076 096 151 153 363 514
ENVISION	197 363
EPSON	324 590
ESA	387
FISHER	007 057
FUJITSU	246 198 346
FUNAI	028 043 052
FUSION	642
FUTURETECH	043
GATEWAY	242 268
GE	144 165 075 197 008 009 034 056 074 130 155 363 333
GEM	387
GIBRALTER	073 363
GOLDSTAR	102 106 112 363
GFX	674
GRUNPY	028 043
HAIER	363 501 623
HALL MARK	363
HANNSPREE	381
HARLEY DAVIDSON	028
HARVARD	043
HAVERYN	081
HE-LEADS	164
EVOLUTION	189
EVOLUTION FTA	158
nFusion FTA receivers	192
MOXI HD DVR set top boxes	003
SKY +-HD set top boxes	230
SKY HD set top boxes	204
TELNET HD box	354
WEGENER	004

TV

Manufacturer/Brand	Set-Up Code Number
MAJESTIC	072 333
MARANTZ	197 144 272 562 584
MATSUI	164
MATSUSHITA	080
MAEHT	242
MEGACATRON	197 011 363
MEMOREX	007 072 363
MGA	197 024 028 042 363
MIDLAND	073 333
MINTEX	362
MINUTZ	008
MITSUBISHI	124 109 024 028 040 042 146 191 313 363 450 658
MONTGOMERY WARD	072 333
MOTOROLA	081
MTC	197 082 363 258
MULTITECH	043
NAD	138 025
NEC	272 130 134 197 040 016 024 056 019 237 262
NET TV	242
NEOUS	620 454
NIKEI	043
NIKKO	197 363
NIKO	527
NORCENT	390
NUC	103
NUVISION	257 567
OLEVIA	432 363 144 333
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265 270
ORION	096
PANASONIC	080 034 056 164 208 552 524 607 664
PHILCO	197 003 059 060 064 164 024 056 063 363
PHILIPS	164 005 093 038 197 003 059 206 431 363 333 594 629
PILOT	363
PIONEER	234 135 025 197 018 023 374 393 272 363 660
POLAROID	388 328 353 354 355 356 494 387 505 506 508
PORTLAND	363
PRISM	034
PROSCAN	144 165 167 333
PROTON	112 058 171 172 193 363 508
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
PULSAR	073 363
PYLE HOME	661 662
QUASAR	034 056 606
RADIO SHACK	019 043 363
RCA	333 165 065 144 197 024 056 152 023 074 363 588
REALISTIC	007 019 043 047
REVOLUTION HD	466
RUNCO	072 169 178 179 180 181 182 073 395 416
SANMPO	197 058 242 363
SAKUSUI	258 050 089 105 228 229 363 333 515 655
SANSHU	197
SANSEI	076
SANSUI	096 400 615
SANYO	007 020 053 057 082 187 657
SCPTRE	276
SCOTCH	197 363
SCOTT	028 043 048 363 497
SEARS	138 030 007 028 057 094 082 165 363 333
SELECO	189 200 205 011
SHARP	257 019 014 028 029 032 175 363
SHENG CHIA	081
SHERWOOD	349
SHOJUNG	363
SHOJUNG	267
SIGNATURE	072
SIMPSON	003
SONY	001 185 085 608 646 651
SOUNDDESIGN	028 003 043 363
SOYO	528
SPECTRION	499 500
SPECTRIONHQ	052
SQUAREVIEW	043
STARLITE	043
SSS	043 363
SUNBRITE	633 634 635 386
SUNBRITE TV	605
SUPRA	363
SUPRE MACY	002
SUPREME	001
SYVA	328
SYLVANIA	197 003 052 059 060 063 064 164 044 514 333 593
SYMPHONIC	052
SYNTAX OLEVIA	432 363 144 333
TANDY	251
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	557
TECHWOOD	363
TELEFNKIN	002 003 024 028 043 072 363 258
TELETRON	615
TELETER	072
TEBRA	172
TELEVISION	663
TMK	363
TNCI	073
TOSHIBA	138 030 007 040 062 325 258
TRUTECH	529
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	112

TV

Manufacturer/Brand	Set-Up Code Number
VIDIKRON	174 188 164
VIDTECH	363
VIEWSONIC	242 389
VIKING	002
VINRE	472 592
VISCO	494
VITO	363
VIZIO	386 387 624 625 675
WARDS	008 009 019 028 060 061 063 064 072 074 164 034 363
WAYCON	015
WESTINGHOUSE	076 276 435 001 280
WINBOOK	339
YAMAHA	197 371 372 363
YORK	072 333
YUPITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

DVD

Manufacturer/Brand	Set-Up Code Number
ADCOM	157
AiWA	146
AKAI	281
ALLEGRO	091
ANTHEM	361
APEX DIGITAL	087 111 115
ARCAM	122
BLAUPUNKT	111
BROKSONIC	130
CAMBRIDGE AUDIO	323 333 360
CARY AUDIO DESIGN	266
CMVISION	091
COBY	260
CYBERHOME	271
DENON	173 138 329 358
DUNE	366
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ESA	143
FUNAI	143
INSIGNIA	292 297 143
INTERTEC	282
POLAROID	284 295 297
SAMSUNG	165
GE	027
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	091 096 349
INTEGRA	180 273 338
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265 268
LEXICON	148
LG	091 057 350
MAGNAVOX	064 066
MARANTZ	082 095 532
MALATA	267
MERIDIAN	153
MICROSOFT	027
MINTEX	111 282
MITO	149
MITSUBISHI	017
MYRYAD	102 134
NAD	088 353
NAKAMICHI	103
NEISA	111
ONKYO	076 141 180 273 338
OPTIMUS	022
OPPO	266 341
ORION	130
PANASONIC	042 138 144 150 285 346 347
PARASOUND	245
PHILIPS	066 083 095 166 276 317 344
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304 354 364
POLAROID	233
POLK AUDIO	141 066
PROSCAN	027
RCA	617
RIO	027 307
RITECH	269
SAMSUNG	070 165 137 159 275
SANSUI	154
SANYO	147
SEARS	130
SENSORY SCIENCE	222
SHARP	094
SHERWOOD	245 345
SHINSONIC	033
SONIC BLUE	091
SONY	001 033 145 191 286 241 242 243 340 343 351 363 368
SPECTRION	310
SPECTRIONHQ	310
SYLVANIA	143
SYMPHONIC	143

DVD

Manufacturer/Brand	Set-Up Code Number
TATUNG	102
TEAC	023 270
TECHNICS	042
TECHWOOD	088
THETA DIGITAL	053
THOMPSON	027
TOSHIBA	130 141 164 188 273 356
URBAN CONCEPTS	141
VENTURER	149
VNIC	308
VX BOX	027
YAMAHA	042 089 166 197 138 334
ZENITH	057 091

DVD-DVD Recorders

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	220 221 222
CYBERHOME	271
ILO	268
KISS	279
LITEON	265 268
PANASONIC	138
PHILIPS	317
027	
SAMSUNG	301
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188 273

DVD-TV/DVD Combos

Manufacturer/Brand	Set-Up Code Number
AKAI	281
AiWA	146
AUDIOVOX	284
DURABRAND	143
ESA	143
FUNAI	143
INSIGNIA	292 297 143
MINTEX	282
POLAROID	284 295 297
SAMSUNG	165
GE	027
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	091 096 349
INTEGRA	180 273 338
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265 268
LEXICON	148
LG	091 057 350
MAGNAVOX	064 066
MARANTZ	082 095 532
MALATA	267
MERIDIAN	153
MICROSOFT	027
MINTEX	111 282
MITO	149
MITSUBISHI	017
MYRYAD	102 134
NAD	088 353
NAKAMICHI	103
NEISA	111
ONKYO	076 141 180 273 338
OPTIMUS	022
OPPO	266 341
ORION	130
PANASONIC	042 138 144 150 285 346 347
PARASOUND	245
PHILIPS	066 083 095 166 276 317 344
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304 354 364
POLAROID	233
POLK AUDIO	141 066
PROSCAN	027
RCA	617
RIO	027 307
RITECH	269
SAMSUNG	070 165 137 159 275
SANSUI	154
SANYO	147
SEARS	130
SENSORY SCIENCE	222
SHARP	094
SHERWOOD	245 345
SHINSONIC	033
SONIC BLUE	091
SONY	001 033 145 191 286 241 242 243 340 343 351 363 368
SPECTRION	310
SPECTRIONHQ	310
SYLVANIA	143
SYMPHONIC	143

DVD-TV/DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
EMERSON	143
MAGNAVOX	143
PANASONIC	144
SUPERSCAN	143
SYLVANIA	143
TOSHIBA	164

DVD-DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	137
PANASONIC	150
PHILIPS	066 (VCR Functions for VCR 567)
RCA	027 (VCR Functions for VCR 644)
SAMSUNG	503 508 510 534 6