MOTOROLA DRC450

UNIVERSAL REMOTE CONTROL



MADE IN INDONESIA

USER GUIDE

OVERVIEW

Fold

The Motorola DRC450 universal remote will control up to four devices, including Motorola's interactive digital terminals*, most TVs, VCRs, Amplifiers, DVD players, PVRs, Tuners, and CD players.

*NOTE: Digital models include the DCT1000, DCT1200, DCT1700, DCT2000, DCT2500, and DCT5100. The DRC450 can also control older Motorola analog models like the CT1900. CFT2100, CFT2200, and CFT3300.

The DRC450 requires two new AA alkaline batteries (included) and has easy programming to control your Motorola interactive digital terminal, as well as all of the basic functions of your other original remote controls. Moreover, the DRC450 helps eliminate the need to use multiple remote controls.

For best results, please read and perform all instructions listed herein. Also, keep these instructions for future reference.

FEATURES AND FUNCTIONS

Use the DRC450 mode keys (i.e., AUDIO, VCR/DVD, CABLE, or TV) to control a specific device. When pressed, the selected mode key will light, confirming your choice. Use the other keys to perform desired actions (see the following

NOTE: The selected mode will remain active until you press another mode key.





display the help screen. MUTE Press MUTE once to turn sound off or on.

Use **PAGE** \blacktriangle (or **PAGE** \blacktriangledown) PAGE PAGE to page up (or down) through menu screens and the electronic program guide. Use LOCK** to restrict

> programs (Parental Control). Use **EXIT** to exit menu or guide.

viewing of selected

Use **INFO** to display current channel and program information.



Ö

Use these keys to move the cursor in the electronic program guide and menu screens.

Use **OK**** to chose menu OK) options, PPV events, and to tune programs from the electronic program guide. GUIDE

Use **GUIDE** to display the electronic program guide.

Use **MENU** to display MENU the main menu. In TV or CABLE mode,

VOLUME use VOLUME + (or **VOLUME** -) to raise (or lower) sound volume. Use CHANNEL + (or

CHANNEL -) to select the next higher (or lower) channel.

Use **LAST** to recall last channel or go back one screen in the menu

In the **CABLE** mode, FAVORITE press **FAVORITE** once to display programmed favorite cable channels.

These functions are set by your cable system operator.

① ② ③ Use the keypad ($\mathbf{0} \sim \mathbf{9}$) to directly select the (4) (5) (6) channels (e.g., 09 or

(7) (8) (9) (031). 0

Press TV/VCR BYPASS TV/VCR BYPASS once to switch VCR to view TV or tape (not supported by all

applications).

Use **ENTER/MUSIC** to display menu of digital music channels, or to enter channels on some TV models.

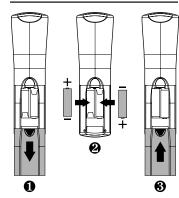
PAUSE PLAY
RECORD F.FIVD

In the VCR/DVD and TV modes, use the **STOP**, PAUSE, PLAY, REW., and **F.FWD**. keys to control a VCR (or DVD player). To record a program on a VCR, press **RECORD** once.

In the **CABLE** mode, press DAY> (or < DAY) once to move the electronic program guide ahead (or back) 24 hours.

**NOTE: Functionality of the LOCK and OK keys are dependent on the software and the model of Motorola interactive digital terminal.

INSTALLING BATTERIES



On the DRC450's back, pull back the battery cover and remove it.

Use the two (2) supplied fullycharged AA alkaline batteries. Match their + and - marks to the + and - marks in the battery case, then insert the batteries.

Push the battery cover back into place.

Test the unit by pressing **POWER** and any mode key (e.g., AUDIO, VCR/DVD, CABLE, or TV). If the batteries are inserted correctly, the selected mode key will be lit.

NOTE: When a selected mode key blinks two times with each key press, this indicates that the batteries are getting low. Replace them within 20 minutes; otherwise the DRC450 may lose its settings and require reprogramming.

PROGRAMMING A SPECIFIC DEVICE CONTROL

The DRC450 is preprogrammed at the factory to operate a RČA TV and VCR (or DVD player), a Motorola (General Instrument) interactive digital terminal, and a Pioneer audio device. To control devices other than the default brands, perform the following steps; otherwise skip this section:

NOTE: For programming TV/VCR Combo control, see the next section.

Turn on a device (e.g., VCR) and, if applicable, insert media, (e.g., cassette or disc).

before proceeding. Highlight or write program before moving on to step 2.

On the DRC450, press and hold a mode key (i.e., AUDIO, VCR/DVD, **CABLE**, or **TV**) for at least 6 seconds, until you see the programming mode start. Each mode key light will turn off and on sequentially starting with **AUDIO** on through **TV** and the sequence will repeat twice. At this time, release the mode key and wait until it's lit continuously.

Locate the code for your device in Manufacturer's Codes on the back popular codes listed first.

should turn off. If it does not respond, repeat steps 2-4, trying each code listed for your brand still does not work, try Searching

device code in the appropriate boxes below:

VCR/DVD Code:

TV Code

PROGRAMMING

7. Repeat steps 1 through 6 for each

NOTE: Please read steps 2-4 completely

down the codes and device you wish to

before proceeding. Highlight or write

program before moving on to step 2.

Locate the code for your device in

Setup Codes For TV/VCR Combos

on the back. Brands are listed in

alphabetical order with the most

your device. If you perform this

NOTE: If you enter an invalid code.

through 4 with a valid code.

VCR/DVD will turn off. Repeat steps 2

Aim the DRC450 at the TV/VCR

combo and press **POWER** once.

The device should turn off. If it

trying each code listed for your

NOTE: If the device does not have a

POWER key, press the ► (**Play**) key.

that works, but it has a separate TV

DRC450 to access volume control.

Perform the steps in "Programming

For future reference, write your

device codes in the boxes below:

key (e.g., press and hold **TV**).

TV/VCR Combo Code

TV Code (if used):

NOTE: If you've located a TV/VCR code

code, you'll also need to program it into

Device Control" and use TV for the mode

brand until you find one that

Searching For Your Code.

does not respond, repeat steps 2-4,

works. If it still does not work, try

procedure correctly, VCR/DVD will

popular codes listed first.

blink three times.

4. Enter the first four-digit code for

device you want to control.

TV/VCR COMBO CONTROL Turn on the TV/VCR Combo and insert a video cassette.

NOTE: Please read steps 2-4 completely down the codes and device you wish to

On the DRC450, press and hold a **VCR/DVD** for at least 6 seconds, until you see the programming mode start. Each mode key light will turn off and on sequentially, starting with AUDIO on through TV, and the sequence will repeat twice. At this time, release VCR/DVD and wait until it's lit continuously.

of this user guide. Brands are listed in alphabetical order with the most

Enter the first four-digit code for your device. If you perform this procedure correctly, the selected mode key will blink three times.

NOTE: If you enter an invalid code, the selected mode key will turn off. Repeat steps 2 through 4 with a valid code.

Aim the DRC450 at your device and press POWER once. The device until you find one that works. If it For Your Code.

> NOTE: If the device does not have a **POWER** key, press the ► (**Play**) key.

For future reference, write your

AUDIO Code:

Device Type:_

Device Type:_

CABLE Code: SEARCHING FOR YOUR CODE

If your home entertainement device does not respond to the DRC450 after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

> For example, after trying all of the codes for your TV, you still cannot get the DRC450 to operate your TV, then:

- 1. Turn on your TV.
- 2. On the DRC450, press and hold **TV** (at least 6 seconds) until vou see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with **AUDIO** on through **TV**, and the sequence will repeat twice. During this time, release TV and wait until it's lit continuously.
- Press the ▲ (**Up**) cursor key once to start the search mode

NOTE: In the search mode, the DRC450 will send IR codes from its library to the selected component, starting with the most popular codes first. When the device responds to a subsequent key command (e.g., POWER), the correct device code will be found.

- Press **POWER** once. The **TV** key will light on and off, showing that an IR code has been sent.
- If your television does not turn off, press the **(Up)** cursor key once again to call up the next IR code and press **POWER** once again.
- 6. If your television still does not turn off, repeat step 5 as many times as needed until your TV turns off.
- When your television does turn off. a working code has been found. Press **OK** once to save the code and the **TV** key will blink three times, confirming the selection.
- 8. To search for the codes of your other devices, repeat steps 1 through 7, but substitute the appropriate mode key (i.e., VCR/DVD, CABLE, or AUDIO) for the device you are searching for.

CHECKING THE CODES

If you have set up the DRC450 using the Searching For Your Code procedure, you may need to find out which four-digit code is operating your equipment.

Perform the following procedure after you have set up your devices to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

1. Turn on your TV.

On the DRC450, press and hold **TV** (at least 6 seconds) until you see the mode light sequence start. Each of the mode key lights will turn off and on sequentially, starting with AUDIO on through TV, and will repeat twice. During the

sequence, release the **TV** key and

wait until it stays lit continually

- Press **9 9 0**. The **TV** key will blink three times.
- To view the code for the first digit, press and release 1. Count the number of **TV** key blinks (e.g., 3 blinks = 3) and write down the number in the leftmost TV code box in step 6 of *Programming* Device Control.
 - NOTE: The mode key will not blink if the code digit is a "0"
- Repeat step 4 three more times for each successive digit by pressing and releasing 2, 3, and then 4. Finish writing down the TV code in the remaining TV code boxes.
- To check for the codes of your other devices, repeat steps 1 through 5, only substitute the appropriate mode key (i.e., VCR/DVD, CABLE, or AUDIO) for the device you are checking. Write down the codes in the appropriate device code boxes (see step 6 of Programming Device Control).

CHANGING VOLUME LOCK

Your new DRC450 is set to control the volume of a device through its associated mode (i.e., through the *Motorola* interactive digital terminal in the Cable mode, through the TV in the TV mode, through the VCR or DVD player in the VCR/DVD mode, and through the audio device in the Audio mode). If your TV is not remote controllable, or if you would like the volume to be controlled by a different device, you can change the Volume Lock setting to control a volume through a non-associated mode (e.g., through the Motorola interactive digital terminal in the TV mode).

Changing the Volume Lock setting to the Cable, VCR/DVD, or TV mode will change the volume control for all modes except Audio, which will continue to control its own volume. If you change the Volume Lock setting to the Audio mode, all modes (i.e., Audio., Cable, VCR/DVD, and TV) will be controlled by the Audio mode.

To Change The Volume Lock Setting To Another Mode:

- 1. On the DRC450, press and hold a mode key (i.e., AÛDIO, VCR/DVD, **CABLE**, or **TV**) for at least 6 seconds, until you see the programming mode start. Each mode key light will turn off and on sequentially, starting with AUDIO on through TV, and the sequence will repeat twice. At this time, release the mode key and wait until it's lit continuously.
- Press and release **VOLUME** +.
- The mode key's light will blink three times, indicating volume has been locked to the selected mode.
- Now, whenever you press **VOLUME** +, **VOLUME** -, or **MUTE** on the DRC450, volume will be controlled by selected mode, independent of the current mode.

To Unlock Volume Lock:

- 1. On the DRC450, press and hold a mode key (at least 6 seconds) until you see the programming mode start. Each mode key light will turn off and on sequentially, starting with AUDIO on through TV, and the sequence will repeat twice. During this time, release the mode key and wait until it's lit continuously.
- Press and release **VOLUME** -.
- The mode key light will blink three times, indicating volume has been unlocked for the selected mode.

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Now, whenever you press **VOLUME** +, **VOLÚME** -, or **MUTE** on the DRC450, the volume controls will reset to their original device.

TROUBLESHOOTING

PROBLEM: A mode key does not blink or blinks 2 times when you press a key.

SOLUTION: Replace the batteries with two (2) new AA alkaline batteries.

PROBLEM: A mode key blinks when you press a key, but home entertainment component does not respond.

SOLUTION: Make sure the DRC450 is aimed at your home entertainment device and is not farther than 15 feet away.

continued on back..















Fold

0030, 0019, 0003, 0052, 0185

0093, 0463

0092

0701

0180

Cineral

Citizen

Curtis Mathes

Cybernex

Dynatech

Go Video

GoldStar

Gradiente

KLH

LXI

MGN Technology

Memorex

Mitsubishi

Motorola

Multitech

Nikko

Noblex

Olympus

Panasonic

Philips Pilot

Polk Audio Profitronic

Proscan Pulsar

RCA

RadioShack

Randex

Realistic

STS

ReplayTV

Harley Davidson

Harman/Kardon

Hughes Network Sys. 0042

Electrophonic

Colt

0037, 0278

0035,0037

0240,0043

0240,0000

0035, 0081

0035, 0162, 0454

1037, 1162, 1262

0048,0067,0043

0035,0048 0000,0072

0240

0240 0060,0760

0000, 1037

0614,0616

0240,0045

0042

0035, 0039, 0081, 0000, 0149, 0563

0035, 0162, 0037, 0048, 0039, 0047,

1062, 0162, 0037, 0048, 0104, 0432, 0454, 1048, 1162, 1262

1062, 0035, 0162, 0225, 0454, 0616,

0035,0037,0240,0042,0038

0035,0081,0618,1081,1181

0035, 0162, 0454, 1162

0060, 0035, 0048, 0240, 0042, 0149,

0035, 0037, 0048, 0047, 0000, 0104

0000, 0067, 0209, 0041, 0479

0184, 0209, 0002, 0479

0278

0072 0035

TROUBLESHOOTING (continued)

PROBLEM:	DRC450 does not control
	home entertainment
	devices or commands are
	not working properly.

SOLUTION: Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control.

PROBLEM: TV/VCR combo does not respond properly.

SOLUTION: Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.

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

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

PROBLEM: Changing channels does not work properly.

SOLUTION:	0
	required pressing Enter
	to change channels, press
	ENTER on the DRC450
	after entering the
	channel number.
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MANUFACTURER'S CODES

Setup Codes For Audio Amplifiers

Aiwa	0406
Carver	0269
Curtis Mathes	0300
Denon	0160
GE	0078
Harman/Kardon	0892
JVC	0331
Left Coast	0892
Linn	0269
Magnavox	0269
Marantz	0892, 0321, 0269
Nakamichi	0321
Optimus	0395, 0300
Panasonic	0308
Philips	0892, 0269
Pioneer	0013,0300
Polk Audio	0892, 0269
RCA	0300
Realistic	0395
Sansui	0321
Sony	0689,0220
Soundesign	0078
Technics	0308
Victor	0331
Wards	0078,0013
Yamaha	0354

Setup Codes For Audio Receivers

ADC	0531
Aiwa	1089, 1405, 0121, 0158, 0189, 040
Audiotronic	1189
Bose	1229
Capetronic	0531

arver	1089, 1189, 0042, 0189, 0360
asio	0195
larinette	0195
urtis Mathes	0080
enon	1104, 1160, 0004
merson	0424
isher	0042,0360
arrard	0424,0463
arman/Kardon	0110,0189,0891
ewlett Packard	1181
3L	0110
/C	0074
enwood	1313, 1027, 1570, 1569, 0027, 0042,
	0186
oss	0424
XI	0181
inn	0189
lovďs	0195
ICS	0039
lagnavox	1089, 1189, 0189, 0195, 0391, 0531
larantz	1089, 1189, 0039, 0189
Iodulaire	0195
Iotorola	1191
Iusicmagic	1089
akamichi	0097
nkyo	0135
ptimus	1023,0042,0080,0181,0186,0531,
ptillius	0670, 0738, 0801
anasonic	1518,0039,0309,0367
enney	0195
hilips	1089, 1189, 1269, 0189, 0391, 1120
ioneer	1023,0014,0080,0150,0244,0531,
ioneer	0630
olk Audio	0189
roscan	1254
uasar	0039
CA	1023, 1254, 0080, 0360, 0531
ealistic	0181,0195
ansui	1089,0189
anyo	0801
narp	0186
herwood	0491,0502
	1058, 1258, 1158, 0158, 0474
ony	0670
oundesign	1023
tereophonics	
unfire	1313
eac	0463
echnics	1308, 1309, 1518, 0039, 0309
horens	1189
ictor	0074
/ards	0014,0080,0158,0189
amaha	0176, 0186, 1176
orx	0195
enith	0857

Setup Codes For Cable Converters (Interactive Digital Terminals)

(III.CO. GOLITO DI	bitai roriiiiiaio,
Director	0476
General Instrument	0476
Jerrold	0476,0276
Motorola	0476,0276
Supercable	0276

Setup Codes Fo	r CD Players
Aiwa	0157,0124
Burmester	0420
California Audio Labs	
Carver	0157, 0179, 0437
DKK	0000
DMX Electronics	0157
Denon	0873,0003
Emerson	0305
Fisher	0174,0179
Garrard	0393, 0420
Genexxa	0032,0305
Harman/Kardon	0157,0173
Hitachi	0032
IVC	0072
Kenwood	0681, 0826, 0626, 0028, 0037, 019
Krell	0157
LXI	0305
	0155

Admiral

Aiko

Aiwa Akai

Ambassador

America Action

uunt	0020,0027,0137,0100
ro	0000
ssion	0157
M	0157
kko	0174
kyo	0868,0101
timus	1063,0000,0032,0037,0145,0179 0305,0420,0437,0468
nasonic	0029,0303
rasound	0420
ilips	0626, 0157
neer	1063, 1062, 0032, 0305, 0468
lk Audio	0157
oton	0157
D	0157
asar	0029
A	1062,0032,0053,0179,0305,0468 0764
alistic	0179, 0180, 0420
tel	0157,0420
Е	0157
nsui	0157, 0305
nyo	0179
ott	0305
ars	0305
arp	0861,0037,0180
erwood	1067,0180

0490,0000,0185

0029, 0303

0888, 0036, 0187

0145

0461

0420

0157,0305

0626, 0029, 0157, 0180

MCS

Setup Codes For DVD Players

Sonic Frontiers

Tascam

Victor

A from	0641
Aiwa	0641
Apex	0672,0755
Blue Parade	0571
Denon	0490,0634
Emerson	0591
Enterprise	0591
Fisher	0670
GE C. IT'l	0522,0717
Go Video	0715
Gradiente	0651
Greenhill	0717
Harman/Kardon	0582
Hitachi	0573,0664
Hiteker	0672
JVC	0558,0623
Kenwood	0534,0682
Konka	0711,0719,0720,0721
Magnavox	0503,0675
Marantz	0539
Microsoft	0522
Mitsubishi	0521
NAD	0704
Onkyo	0503,0627
Oritron	0651
Panasonic	0490, 0632, 0677
Philips	0503,0539
Pioneer	0525, 0571, 0632
Princeton	0674
Proscan	0522
RCA	0522,0571,0717
Samsung	0573
Sanyo	0670
Sharp	0630
Sherwood	0633
Sony	0533
Technics	0490
Techwood	0692
Theta Digital	0571
Toshiba	0503
Urban Concepts	0503
Yamaha	0490,0545

0503, 0591

Setup Codes For TVs

Anam	0180
Anam National	0055
Archer	0003
Audiovox	0451, 0180, 0003, 0092, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0154,0016
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463, 0003
CCE	0217
CXC	0180
Candle	0030, 0056, 0046, 0186
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451,0092
Citizen	0060, 0030, 0056, 0039, 0046, 0092, 0186, 0280
Clairtone	0185
Concerto	0056
Contec	0180, 0157, 0185
Craig	0180
Crosley	0054
Crown	0180,0039
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093,
	0060, 0030, 0145, 0056, 0016, 0039, 0166, 0466, 0747, 1147, 1347
Daewoo	0451,0019,0039,0092,0623,0624
Daytron	0019
Denon	0145
Dumont	0017,0019
Dwin	0720,0774
Electroband	0000,0185
Electrohome	0381
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0038, 0177, 0185, 0280, 0623, 0624
Envision	0030
Fisher	0154,0159
Fujitsu	0179,0683
Funai	0180,0179,0171
Futuretech	0180
GE	0047,0051,0451,0093,0282,0178,
<u> </u>	0021,0055,0027,0135,0747,1147, 1347
Gibralter	0017,0030,0019
GoldStar	0030, 0178, 0019, 0056, 0001, 0032
Gradiente	0053,0056
Grunpy	0180,0179
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Havermy	0093
Hitachi	0145, 0056, 0016, 0032, 0038, 0151
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
Janeil	0046
KEC	0180
KTV	0180, 0030, 0039, 0185, 0217, 0280
Kaypani	0052
Kenwood	0030,0019

MGA	0150,0030,0178,0019 0060,0030,0019,0056,0185
MTC	0054, 0030, 0179, 0020, 0024, 0096
Magnavox	0186, 0187, 0386, 1254
Majestic	0016
Marantz	0054,0030
Matsushita	0250
Megatron	0178,0145,0003
Memorex	0154, 0250, 0463, 0150, 0178, 0179 0056, 0016
Midland	0047, 0017, 0051, 0039, 0032, 0135 0747
Minutz	0021
Mitsubishi	0093,0150,0178,0019
Motorola	0093,0055
Multitech	0180,0217
NAD	0156,0178,0166
NEC NTC	0030, 0019, 0056, 0497 0092
Nikko	0030, 0178, 0092
Noshi	0018
Onwa	0180
Optimus	0154,0250,0166
Optonica	0093,0165
Orion	0236, 0463, 0179
Panasonic	0250,0051,0055
Penney	0047, 0156, 0051, 0060, 0030, 0178
	0021, 0019, 0018, 0056, 0039, 0003 0027, 0032, 0135, 0747, 1347
Philco	0054, 0463, 0030, 0145, 0019, 0020 0096
Philips	0054
Pilot	0030,0019,0039
Pioneer	0038,0166,0679
Portland	0019,0039,0092
Princeton	0717
Prism	0051
Proscan Proton	0047,0747 0178,0003,0052,0466
Pulsar	0017,0019
Quasar	0250,0051,0165,0055
RCA	0047,0051,0093,0019,0018,0038 0090,0135,0679,0747,1047,1147 1247,1347,1447
RadioShack	0047, 0154, 0165, 0180, 0030, 0178
Realistic	0019, 0056, 0039, 0032, 0747 0154, 0165, 0180, 0030, 0178, 0019
Rhapsody	0056,0039,0032 0185
Runco	0017, 0030, 0497, 0603
SSS	0180,0019
Sampo	0030, 0039, 0032, 0052
Samsung	0060, 0030, 0178, 0019, 0056, 0032
Samsux	0039
Sansei	0451
Sansui	0463
Sanyo	0154,0146,0159
Scimitsu	0019
Scotch	0178
Scott Sears	0236, 0180, 0178, 0019, 0179 0047, 0054, 0154, 0156, 0178, 0179
C	0056, 0146, 0159, 0171, 0747
Semivox	0180
Semp Sharp	0156 0093, 0165, 0039, 0157, 0386, 0688
Shogun	0019
Signature	0016
Simpson	0186,0187
Sony	0000,0080,0111
Soundesign	0180, 0178, 0179, 0186
Spectricon	0003
Squareview	0171
Starlite	0180
Supre-Macy	0046
Supreme	0000
Sylvania Symphonic	0054,0030,0020,0096,0381
Symphonic TMK	0180, 0171 0178, 0056, 0177
TNCi	0017
Tandy	0093
Tatung	0055,0003
Technics	0250,0051
Technol Ace	0170

Tosonic	0185
Totevision	0039
Trical	0157
Universal	0027
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178,0019
Viking	0046
Wards	0054,0165,0030,0178,0021,0019 0179,0056,0016,0020,0027,0080 0096,0111
Waycon	0156
White Westinghouse	0463, 0623, 0624
Yamaha	0030,0019
Zenith	0017, 0463, 0016, 0092, 0624
Zonda	0003

Broksonic	0002, 0479 (for TV use 0463)	
Citizen	0278	
Colt	0072	
Curtis Mathes	0035 (for TV use 0051)	
Daewoo	0278 (for TV use 0624)	
Emerson	0002, 0278 (for TV use 0624),	
1.111(1.50)11	0479 (for TV use 0463)	
Funai	0000	
GE	0035 (for TV use 0051), 0240,	
	0048 (for TV use 0093),	
	0060 (for TV use 0047)	
GoldStar	0037 (for TV use 0056)	
Harley Davidson	0000	
Hitachi	0000	
JVC	0067	
Lloyd's	0000	
Magnasonic	0278	
Magnavox	0000, 0081 (for TV use 0054)	
Magnin	0240	
Memorex	0037, 0162 (for TV use 0250),	
	0454, 1037, 1162, 1262	
MGA	0240	
Mitsubishi	0048 (for TV use 0093)	
Optimus	0162 (for TV use 0250), 0454,	
	1162, 1262	
Orion	0002, 0479 (for TV use 0463)	
Panasonic	0035 (for TV use 0051),	
	0162 (for TV use 0250),	
D	1162, 1262, 1362	
Penney	0035 (for TV use 0051), 0037 (for TV use 0056), 0240	
Ougaar	0037 (for TV use 0030), 0240	
Quasar	0162 (for TV use 0250)	
RadioShack	1037	
RCA	0035 (for TV use 0051),	
INCA	0048 (for TV use 0093),	
	0060 (for TV use 0047), 0240	
Sansui	0000, 0479 (for TV use 0463)	
Sanyo	0240	
Sears	0000, 0037 (for TV use 0056)	
Sharp	0048 (for TV use 0093)	
Sony	0000, 0032 (for TV use 0000)	
Sylvania	0081 (for TV use 0054)	
Symphonic	0001 (101 1 v use 0034)	
Thomas	0000	
White Westinghouse	0278 (for TV use 0624)	
	0000, 0479 (for TV use 0463)	

Setup Codes	FOR VURS (AND PVRS)
Admiral	0048,0209
Adventura	0000
Aiko	0278
Aiwa	0037,0000
Akai	0041
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002, 0479
CCE	0072,0278
Calix	0037
Canon	0035
Carver	0081

0278	Sanyo	0047, 0240, 0104
0037,0278	Scott	0184,0045,0121,0043
0072	Sears	0035, 0037, 0047, 0000, 0042, 010
0037, 0047, 0240, 0072	Semp	0045
0060, 0035, 0162, 0041, 0760	Sharp	0048
0240	Shintom	0072
0045,0278	Shogun	0240
0042	Singer	0072
0000	Sony	0035, 0032, 0000, 0033, 0636, 103
0037	Sylvania	0035, 0081, 0000, 0043
0037	Symphonic	0000
0032	TMK	0240
0037, 0184, 0000, 0121, 0043, 0209,	Tatung	0041
0002, 0278, 0479	Teac	0000,0041
0047,0104	Technics	0035,0162
0035, 0033	Teknika	0035,0037,0000
0000	Thomas	0000
0060, 0035, 0048, 0240, 0760	Tivo	0618,0636
0000	Toshiba	0045,0043
0432	Totevision	0037,0240
0037,0038	Unitech	0240
0000	Vector	0045
0047	Vector Research	0038
0000	Video Concepts	0045
0081,0038	Videomagic	0037
0072	Videosonic	0240
0000, 0042, 0041	Villain	0000
0042	Wards	0060, 0035, 0048, 0047, 0081, 024
0067,0041		0000, 0042, 0072, 0149, 0760
0041	White Westinghouse	0209, 0072, 0278
0025 0250	VD 1000	0025 0000 0052

ADDITIONAL INFORMATION

0035,0000,0072

0039, 0000, 0209, 0033, 0479

XR-1000

The Motorola DRC450 does not have any user serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your Motorola remote control.

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M496116-001



Fold

0024,0046

0628, 0632, 0638, 0703, 0707

0047, 0054, 0154, 0156, 0178, 0747

Technol Ace

Techwood

Teknika

0051, 0056, 0003

0054, 0180, 0150, 0060, 0019, 0179,

0056, 0016, 0039, 0092, 0186

Fold

Fold