



Remote Control USER'S GUIDE

It's simple to program your remote to control your TV.

Your remote control is already programmed to control your HD Set-Top Box. To control your TV functions (TV Input, TV Power, VOL+, VOL- and Mute), follow the steps below:

HERE'S HOW:

1. Install the batteries.
2. Find the manufacturer's code for your TV (see other side).
3. Turn on your TV and digital set-top box or HD Set-Top Box.
4. On your remote, press and hold the **Setup** button until the **Indicator LED** changes from red to green.
5. Enter the first manufacturer's code you found in Step 2. The **Indicator LED** will flash green twice.
6. Press the **TV Power** button on the remote control. If the TV turns off, you know the code has been accepted. Turn the TV back on and make sure that the **VOL+/-** and **Mute** buttons also work. If so, you're all set!
7. If not, repeat these steps using the next manufacturer's code found in Step 2 (You may need to try several codes to find the one that works for your TV). If you still can't find a code that works, see the "Can't Find Your Code?" section.

CAN'T FIND YOUR CODE?

If you can't program your remote using the codes on the back of this guide, follow the steps below to search for your code.

1. Turn on your TV.
2. On your remote, press and hold the **Setup** button until the **Indicator LED** changes from red to green.
3. Enter **A**.
4. Press the **CH ^** button multiple times until the TV turns off.
5. After the TV turns off, press **Setup**.
6. Successful TV IR code storage is indicated by 2 green blinks.

Additional Feature: If you would like to place your DTA out of line of site (for example, in an entertainment center or behind your TV), follow the instructions above to program the remote control for your TV, then refer to the "Installing your DTA out of sight" instructions on the other side of this instruction sheet.

HD Set-Top Box Remote Control USER'S GUIDE

SAVE YOUR TV CODE

For future reference, write the valid manufacturer's code for your TV here:

TROUBLESHOOTING

GENERAL TROUBLESHOOTING

Q: Why does the Indicator LED flash red, but there is no response when I press a key?

A: Make sure the remote is aimed at your TV and is no further than 15 feet away. Also, make sure your HD Set-Top Box is powered on and in plain sight.

Q: Why does the Indicator LED turn red while I am programming my remote?

A: You may have entered the wrong code. Check the code and try programming again.

PAIRED REMOTE TROUBLESHOOTING

Q: How can I tell which HD Set-Top Box my remote control has been paired with?

A: Once paired to a device, the remote will only work with that specific HD Set-Top Box.

Here's what your remote can do.

TV Input: External input.

TV Power: Turns on/off your TV.

Menu: Enters the on-screen menus.

OK: Selects the highlighted item.

Last: Returns to the previous channel.

Info: Provides a description of a program.

Exit: Exits guide screens and returns you to TV viewing.



Guide: Shortcut to TV listings.

VOL+/-: Turns the volume up and down on the HD Set-Top Box. After your remote is programmed these keys operate the TV's volume control.

CH ^/V: Selects the next higher or lower channel.

Mute: Turns the sound on and off.

Setup: Programs your remote control to your TV or HD Set-Top Box.

A, B, C, D: Context-sensitive control keys used in advanced setups.

Note: Some features above require an on-screen programming guide not available with all devices.

Keypad (0-9): Select the channel you want to view (e.g., 0-9 or 0-2-6).

Installing your HD Set-Top Box out of sight.

Your remote control can be paired directly with your HD Set-Top Box, allowing you to place the device out of the line of sight (in an entertainment center or behind your TV, for example).

Follow the steps to the right to pair your remote control with your HD Set-Top Box.

Once your remote control is paired to a specific HD Set-Top Box, it will not control any other HD Set-Top Box in your home.

If you would like to use your remote control for another HD Set-Top Box in your home, you can "un-pair" the devices by following the instructions included in the "Remove remote control pairing" section of this document.

HERE'S HOW:

1. Program your remote to control your TV as described in the "It's simple to program your remote to control your TV" section. If you've already done this, proceed to Step 2.

2. Follow the HD Set-Top Box instructions to enter the remote pairing screen. Please insure you have line of site of the HD Set-Top Box during the pairing process.
3. Press and hold the **Setup** button until the **Indicator LED** changes from red to green.
4. Press the **Menu** button on the remote control. Your TV should display on-screen instructions. If the on-screen instructions do not appear, you may need to press the **Menu** button again — up to two more times.
5. Follow the on-screen instructions to enter the 3-digit code that appears.
6. Once the code is correctly entered, your remote will be paired with the HD Set-Top Box connected to your TV.

FREQUENTLY ASKED QUESTION ABOUT PAIRING:

Q: Why does the Indicator LED flash green then red during pairing?

A: The device you are pairing with may not be powered on, or it may not support Device Pairing technology. Confirm the box is powered on and supports Device Pairing technology.

Remove remote control pairing

Once your remote control is paired to your HD Set-Top Box, it is uniquely paired and will not control any other HD Set-Top Box in your home.

If you would like to use your remote control for a different HD Set-Top Box, you must first un-pair the remote control from the current device. Follow the instructions below to remove the pairing from your remote.

1. Press and hold the **Setup** button until the **Indicator LED** changes from red to green.
2. Enter **9-8-7** on the remote control.
3. The **Indicator LED** will blink green twice.

The remote control will now be un-paired from that device and can be used for other HD Set-Top Boxes in your home.

Remember, when using your remote control with a new TV or HD Set-Top Box, you may need to reprogram the remote control to operate those devices.

Follow the steps included earlier in this guide to program or reprogram your remote.

FCC Warning

Note :

This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio /TV technician for help.

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

"CAUTION": Exposure to Radio Frequency Radiation. Antenna shall be mounted in such a manner to minimize the potential for human contact during normal operation. The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.

Maker (Brand) Name	CodeNumber(5digit)List	H & B	PHILIPS	VIKING
3M	10368	HAIER	10001 10003 10011 10040 10060 10067 10132 10145 10148 10222 10230	10372
A MARK	10103 10132 10388	HALL MARK	10231 10321 10371 10415 10479	10316
ACTION	10370	HANNING	10230 10231 10439 10315	10551
ADMIRAL	10436 10431	HANNSPREE	10001 10024 10029 10031 10032 10107 10248 10254 10304 10504	10360
ADVENT	10135 10339	HARLEY DAVIDSON	10335 10338 10339 10340 10341 10303 10417 10362 10478 10301 10476	10376
ADVENTURA	10372	HARMAN KARDON	10011 10132 10231 10374 10315 10335 10424 10476	10011 10014 10015 10025 10033 10061 10062 10064 10065 10069 10071
AFTRON	10373	HARVARD	10133 10223 10249 10413 10262 10257 110268 110136 110269	10107 10132 10148 10230 10231 10235 10415 10315 10439 10489 10543
AIKO	10374	HAVARMY	10059 10107 10122 10132 10165 10224 10251 10315 10388	10376
AIWA(R-44A)	10082 10183	HELIOS	10507 10508	10303
AKAI	10001 10148 10160 10230 10317 10318 10348 10352 10542 10439 10476	HELLO KITTY	10319	WAYCON
ALARON	10376	HEWLETT PACKARD	10456 10330 10458	WHITE WESTING HOUSE
ALBATRON	10377	HISENSE	10373 10459 10462 10266 10011	10091 10319 10320 10327 10328 10329 10136 10431 10409
AMBASSADOR	10378	HITACHI	10001 10011 10015 10016 10017 10018 10029 10043 10072 10132 10144	10362
AMERICA ACTION	10380		10147 10203 10204 10205 10206 10207 10208 10209 10210 10211 10368	WINBOOK
AMPRO	10070 10164 10249 10381	HP	10452 10368 10543	WOORYOUNG
AMSTRAD	10053	HUMAX	10357	WYSE
ANAM	10045 10055 10057 10076 10095 10099 10103 10106 10109 10112 10122	HYPHERION	10143	XOCECO
AOC	10088 10363 10367 10001 10011 10103 10230 10231 10330 10439	HYUNDAI	10231	YAMAHA
AOMNI	10354	I-INC	10460 10461	YORK
APEX	10302 10303	ILO	10463	10107
APEX DIGITAL	10303 10373 10384	INFINITY	10091 10343 10362 10356	ZENITH
ARCHER	10388	INFOCUS	10415 10148	10009 10069 10070 10090 10094 10227 10431 10315 10374 10452 10516
ASTAR	10390	INITIAL	10464 10364 10466 10467	10103 10388
AUDIOVOX	10345 10319 10380 10374 10388	INKEL	10356	
AURORA SYSTEMS	10391	INSIGNIA	10120	
AVENTURA	10311	JBL	10091 10366 10311 10417 10274	
BELCOR	10230 10231 10315	JCPENNY	10148 10415	
BELL & HOWELL	10393	JENSEN	10001 10011 10014 10015 10030 10035 10092 10132 10145	
BENQ	10395 10396	JVC	10019 10234	
BLAUPUNKT	10084	KAWASHO	10038 10040 10079 10134 10239 10550 10261 10270	
BLU-SENS	10476 10455 10499	KDS	10470	
BRADFORD	10380	KEC	10335	
BRIILLIAN	10398	KENWOOD	10045 10380	
BROCKWOOD	10231 10315	KLEGG	10001 10229 10230 10231 10439 10315	
BROKSONIC	10143 10166 10174 10431	KLH	10354	
BUSH	10399	KLOSS	10341 10303	
BYD-SIGN	10400	KMC	10002 10060 10230 10372	
CANDLE	10001 10002 10003 10011 10230 10439 10372 10543	KNOLL SYSTEMS	10132	
CANON	10402 10403	KONKA	10467	
CAPEHART	10059	KOST	10473 10475 10476 10477	
CARNIBALE	10230 10439	KREISEN	10478 10479	
CARVER	10415 10405	KT	10480 10479	
CASIO	10406 10407	KTV	10001 10045 10132 10140 10162 10308	
CCE	10408	LG(GOLDSTAR)	10380 10439	
CELEBRITY	10409	LLOYDS	10011 10093 10097 10101 10103 10104 10107 10110 10113 10118 10128	
CELERA	10303	LODGENET	10132 10231 10346 10315 10439	
CETRONIC	10045	LOEWE	10452	
CHANGHONG	10303	LOGIK	10069	
CITIZEN	10001 10002 10003 10011 10045 10092 10094 10132 10230 10439 10374	LUCE	10481	
CLARION	10380	LUXMAN	10069	
CLASSIC	10045	LXI	10488	
COBY	10412 10011 10275	MAGNASONIC	10011 10543	
COMMERCIAL SOLUTIONS	10413	MAGNAVOX	10001 10003 10011 10060 10061 10062 10064 10065 10066 10086 10088	
COMPAQ	10414		10118 10132 10138 10145 10148 10192 10212 10213 10230 10236 10244	
CONCERTO	10011 10543	MAGNIN	10312 10332 10415 10439 10356 10505 10452 10330 10376 10126	
CONTEC	10041 10045 10051 10052 10380	MARANTZ	10484	
CORENA SYSTEM	10301	MATSUI	10001 10074 10148 10230 10415 10439	
CORONADO	10132	MATSUSHITA	10148	
CRAIG	10045 10055 10157 10158 10159 10380 10258	MAXENT	10485 10487	
CROSLEY	10415	MB QUART	10315	
CROWN	10045 10132 10380	MEGATRON	10315 10368 10388 10435	
CURTIS MATHES	10001 10092 10107 10132 10230 10365 10413 10415 10393 10319 10436	MEMOREX	10013 10069 10091 10107 10393 10431 10315 10376 10516	
	10542 10439 10368 10504 10543 10271	METZ	10084	
CXC	10045 10380	MGA	10001 10011 10033 10044 10050 10074 10107 10230 10231 10315 10439	
CYBERHOME	10416	MIDLAND	10315 10484	
CYTRON	10417 10418	MINERVA	10413	
	10011 10022 10023 10038 10045 10046 10056 10068 10073 10094 10098	MINTEK	10084	
DAEWOO	10102 10105 10108 10111 10114 10116 10118 10119 10127 10132 10231	MITSUBISHI	10356	
	10246 10319 10374 10315 10188	MONIVISION	10001 10011 10030 10033 10034 10041 10042 10044 10089 10100 10107	
DAYTRON	10107 10132 10231 10315	MONTGOMERY WARD	10115 10154 10160 10167 10168 10214 10215 10216 10231 10245 10436	
DELL	10148 10314	MOTOROLA	10377	
DELTA	10419	MOXELL	10185 10217 10218 10219 10220	
DENON	10368 10421	MTC	10436 10335	
DIAMOND VISION	10422 10423	MULTITECH	10335	
DIGI LINK	10172	NAD	10230 10231 10439 10315 10543	
DIGISTAR	10424	NAKAMICHI	10021 10031 10303 10315 10543	
DIGITAL LIFESTYLES	10425 10426	NAXA	10491	
DIGITAL PROJECTION INC.	10427 10429	NEC	10492	
DREAM VISION	10430		10001 10013 10022 10025 10030 10041 10042 10057 10121 10123 10125	
DUMONT	10231	NETTV	10230 10231 10235 10439 10315 10543 10405	
DURABRAND	10431 10380 10315 10311 10434 10388 10435	NIKEI	10486	
DWIN	10436	NIKKO	10045	
DYNASTY	10045	NIKO	10230 10315 10439 10374	
DYNATECH	10063	NOBLEX	10493	
DYNEX	10091 10347 10366	NORCENT	10494	
EIKI	10253 10402	NORWOOD MICRO	10373 10330 10495 10493	
ELECTROGRAPH	10354	NTC	10362 10498	
ELECTROHOME	10074 10132 10431	NUVISION	10374	
ELECTROBAND	10409	OLEVIA	10502	
ELECTROGRAPH	10486 10354	OLYMPUS	10011 10342 10535 10315	
ELEMENT	10335 10259 10273	ONWA	10503	
	10001 10012 10013 10029 10033 10045 10048 10049 10051 10052 10091	OPTONICA	10045 10380	
EMERSON	10107 10132 10137 10139 10140 10141 10157 10158 10162 10184 10185	OPTIMA	10025 10034 10077 10235	
	10186 10187 10188 10189 10190 10191 10192 10193 10194 10195 10196	ORION	10485 10393 10504 10505	
	10197 10198 10199 10200 10201 10202 10355 10393 10319 10431 10380	PANASONIC	10436	
	10315 10311 10505		10431 10376 10516	
EMPREX	10425	PENNEY	10005 10010 10038 10057 10076 10087 10148 10150 10169 10173 10240	
ENVISION	10439 10358 10330	PHILCO	10308 10359 10485	
ENVIXION	10230		10230 10231 10413 10303 10315 10439 10484 10489 10388	
EPSON	10364		10001 10003 10011 10030 10045 10057 10060 10061 10064 10065 10118	
ERAE	10442		10132 10148 10230 10231 10415 10439 10315	
ESA	10317 10318 10311			
FISHER	10013 10058 10393			
FUJITSU	10149 10228 10333 10334 10376			
FUNAI	10033 10045 10380 10311 10376 10452			
FUTURETECH	10045 10380			
GATEWAY	10310 10486			
GE	10001 10014 10015 10038 10057 10070 10083 10107 10121 10133 10141			
GILBRALTER	10145 10163 10413 10319 10315 10489 10484			
GO VIDEO	10230 10231 10439 10315			
GOODMANS	10443 10479 10476			
GPX	10445			
GRADIENTE	10276			
GRUNPY	10040			
	10380 10376			