

# The Navigator Remote Control



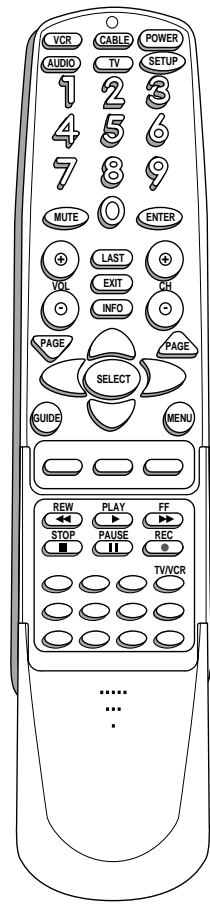
## UNIVERSAL REMOTES

### Overview

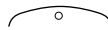
The *Navigator* requires four new AAA alkaline batteries. The *Navigator* can operate any combination of four devices including Cable Converters, TVs, VCRs, CD Players, Stereo Amplifiers, Receivers and Digital Audio Service. The *Navigator* is designed to operate all of the functions of your Cable Converter as well as all of the basic functions of your other original remotes. You will need this manual to setup your new *Navigator*, so please be sure to keep it.

### Features And Functions of the Navigator

The *Navigator* was designed with all of the functions of your Cable Converter as well as all of the most common functions for your other equipment. The following illustration and key chart describes the basic functions of the *Navigator* remote control.



### Navigator Basic Functions



The **LED** flashes red to show that the remote is working.



The **SETUP** key is used to program your Navigator.



The **POWER** key operates the POWER ON and OFF for your Cable Converter, TV, VCR, and Audio Components. Please note that most CD Players do not have an ON/OFF function. If this is the case with your CD Player, then **POWER** will have no effect on your CD Player.



The **CABLE, TV, VCR, and AUDIO** (CD, Amp, Receiver or Digital Audio Service) keys are used to select the home entertainment component you want to control.



The **ENTER** key operates the same as the ENTER key on your original remote. In the AUDIO mode, the **ENTER** key will operate the Source/Mode Select/Input function.



The **VOL +/-** (Volume Up/Down) and **MUTE** keys operate the VOLUME UP/DOWN and MUTE of your home entertainment components.



The **CH +/-** (Channel Up/Down) keys operate the Channel Up and Down feature of your home entertainment components. If you are controlling a Receiver, the **CH +/-** keys may operate the Preset +/- feature. If you are controlling a CD Player, the **CH +/-** keys operate the Track +/- feature. If you are controlling a Digital Audio Service Box, the **CH +/-** operates Audio Channel +/- or Preset +/-.



The **LAST** (Last Channel) key operates the PREVIOUS CHANNEL or LAST CHANNEL RECALL feature for your Cable Converter, TV and VCR. Please note that most VCRs do not have a LAST or PREVIOUS CHANNEL feature. If this is the case with your VCR, then **LAST** will not have any function in the VCR mode.



The **INFO** key operates the Display feature for your TV, VCR, CD Player or Digital Audio Service Box.



The Digit keys (**0-9**) operate the same as the digit keys on your original remote. If you are operating an Amp or Receiver, then the digit keys will perform the following functions; 0=CD, 1=Tuner, 2=LD/VDP, 3=Tape 1, 4=Tape 2, 5=Video, 6=Video 2, 7=Aux, 8=TV and 9=Phono.



The **REC** (Record), **PAUSE**, **REW** (Rewind), **PLAY**, **FF** (Fast Forward), **STOP** and **TV/VCR** keys operate the same as the keys on your original VCR and CD Player remote. As a safety feature on the Navigator, you must press the **REC** key twice.



The **Cable Interactive** and **Cable** keys control the functions of your Cable Converter and will vary depending on the manufacturer of your Cable Converter. Please refer to your Cable Converter's Manual for key descriptions.



### Installing the Batteries

Your *Navigator* requires four (4) new AAA alkaline batteries. To install the batteries:

- On the back of the *Navigator*, pull back on the tab and lift the battery cover off.
- Match the + and - marks on the batteries to the + and - marks in the battery case, then insert the batteries.
- Press the battery cover back into place.
- Test the unit by pressing **POWER**. If the batteries are inserted correctly, the red light (LED) will blink once.

**NOTE:** Removing the batteries WILL NOT require you to reprogram your *Navigator*. The red light will blink 5 times with each key press when the batteries need replacing.

### Setting Up Your Components

To program the *Navigator* to operate your TV:

Look at the brand name of your TV and then write it in the space below.

TV Brand: \_\_\_\_\_

Locate the brand name of your TV in the "SETUP CODES FOR TVs" section. The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to program your *Navigator* to operate your TV.

To program the *Navigator* to operate your TV:

- Turn on your TV.
- Press **TV** and release. Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
- Enter the first three-digit TV code listed in the "SET UP CODES FOR TVs" section. If you perform this procedure correctly, the red light will blink twice.
- Aim the *Navigator* at your TV and press **POWER**. Your TV should turn off. If your TV does not respond, repeat steps 2-4, trying each code listed for your brand until you find the one that operates your TV. If you still cannot get your TV to work with the *Navigator*, try searching for your code as outlined in the "Searching For Your Code" section.

Remember, if you want to use your *Navigator* to operate your TV, press the **TV** key first.

### SETUP CODES FOR TVs

|               |   |
|---------------|---|
| A-Mark        | 003   |
| Abex          | 032   |
| Admiral       | 093   |
| Adventura     | 046   |
| Aiko          | 092   |
| Akai          | 030   |
| Alaron        | 179   |
| Ambassador    | 177   |
| Anam          | 180   |
| National      | 055   |
| AOC           | 030, 019, 003, 052, 185   |
| Archer        | 003   |
| Astro Text    | 379   |
| Audiovox      | 180, 003  |
| Baysonic      | 180   |
| Belcor        | 019   |
| Bell & Howell | 154, 016  |
| Bradford      | 180   |
| Brockwood     | 019   |
| Broksonic     | 236, 436, 180, 003  |
| Candle        | 030, 056, 186, 046  |
| Carnivale     | 030   |
| Carver        | 054   |
| CCE           | 217   |
| Celebrity     | 000   |
| Cineral       | 092, 451  |
| Citizen       | 030, 056, 060, 092, 186, 280, 039, 046  |
| Clairstone    | 185   |
| Concerto      | 056   |
| Contec        | 157, 158, 180, 185  |
| Craig         | 180   |
| Crown         | 180, 039  |
| Curtis        |   |
| Mathes        | 030, 060, 154, 039  |
| CXC           | 180   |
| Daewoo        | 451, 092, 019, 039  |
| Daytron       | 019   |
| Denon         | 145   |
| Dumont        | 017, 019  |
| Electroband   | 000, 185  |
| Electrohome   | 381, 389, 409   |
| Emerson       | 236, 463, 019, 154, 158, 177, 178, 179, 180, 185, 280, 282, 038, 039                |
| Envision      | 030   |
| Fisher        | 154, 159  |
| Fujitsu       | 179   |
| Funai         | 171, 179, 180   |
| Futuretech    | 180   |
| GE            | 047, 051, 451, 021, 027, 029, 055, 178, 282, 135, 174                               |
| Gibraltar     | 017, 019, 030   |
| Goldstar      | 056, 019, 030, 178, 409, 032, 039   |
| Gradiente     | 056, 392, 053   |
| Grumpy        | 180, 179  |
| Hallmark      | 178   |
| Harman/Kardon | 078   |
| Harvard       | 180   |
| Hitachi       | 145, 151, 056, 409, 032, 038  |
| Infinity      | 054   |
| Janeil        | 046   |
| JBL           | 054   |
| JCB           | 000   |
| JVC           | 053   |
| Kawasho       | 158   |
| Kaypani       | 052   |
| KEC           | 180   |
| Kenwood       | 019, 030  |
| Kloss         | 024, 046, 078   |
| KTV           | 030, 180, 185, 217, 280, 039  |
| LG            | 056   |
| Logik         | 016   |
| Luxman        | 056   |
| LXI           | 047, 054, 154, 156, 178   |
| Magnavox      | 054, 096, 186, 187, 020, 024, 028, 030, 386   |
| Majestic      | 016   |
| Marantz       | 054, 030  |
| Matsushita    | 250   |
| Megatron      | 145, 003, 178   |
| MEI           | 185   |
| Memorex       | 056, 150, 154, 178, 016   |
| MGA           | 150, 019, 030, 178  |
| Midland       | 017, 032, 039, 047, 051, 135  |
| Minutz        | 021   |
| Mitsubishi    | 150, 019, 093, 178  |
| Motorola      | 093, 055  |
| MTC           | 019, 030, 056, 060, 185   |
| Multitech     | 180, 217  |
| NAD           | 156, 166, 178   |
| NEC           | 030, 019, 056, 092, 030, 178  |
| Nikko         | 430   |
| Noblex        | 018   |
| Noshi         | 018   |
| NTC           | 092   |
| Onwa          | 180   |
| Optimus       | 154, 166, 250   |
| Optonica      | 093, 165  |
| Orion         | 236   |
| Panasonic     | 250, 051, 055   |
| Penney        | 047, 051, 156, 178, 030, 019, 060, 003, 018, 021, 027, 032, 039, 135                |
| Philco        | 054, 096, 145, 019, 020, 028, 030   |
| Philips       | 054   |
| Pilot         | 019, 030, 039   |
| Pioneer       | 166, 038  |
| Portland      | 092, 019, 039   |
| Prism         | 051   |
| Proscan       | 047   |
| Proton        | 003, 052, 178   |
| Pulsar        | 017, 019  |
| Quasar        | 250, 051, 055, 165  |
| RadioShack    | 047, 056, 154, 165, 178, 180, 019, 030, 409, 032, 039                               |
| RCA           | 047, 018, 019, 029, 038, 090, 135, 174, 056, 154, 165, 019, 030, 178, 180, 032, 039 |
| Realistic     | 056, 154, 165, 019, 030, 178, 180, 032, 039   |
| Rhapsody      | 185   |
| Runco         | 017, 030  |
| Sampo         | 030, 052, 032, 039  |
| Samsung       | 060, 019, 030, 056, 178, 032, 039   |
| Samsui        | 039   |
| Sansui        | 451   |
| Sanyo         | 154, 159, 484, 146  |
| Scimitus      | 019   |
| Scotch        | 178   |
| Scott         | 236, 019, 178, 179, 180   |
| Sears         | 047, 054, 056, 154, 156, 171, 178, 179, 159, 146                                    |
| Semivox       | 180   |
| Semp          | 156   |
| Sharp         | 093, 165, 157, 386, 039   |
| Shogun        | 019   |
| Signature     | 016   |
| Simpson       | 186, 187  |
| Sony          | 000   |
| Soundesign    | 178, 179, 180, 186  |
| Spectricon    | 003   |
| Squareview    | 171   |
| SSS           | 019, 180  |
| Starlite      | 180   |
| Supre-Macy    | 046   |
| Supreme       | 000   |
| Sylvania      | 054, 096, 020, 028, 030, 381  |
| Symphonic     | 171   |
| Tandy         | 093   |
| Tatung        | 055, 003  |
| Technics      | 250, 051  |
| Technol Ace   | 179   |
| Techwood      | 056, 003, 051   |
| Teknika       | 092, 150, 054, 056, 060, 016, 019, 179, 180, 186, 039                               |
| Telefunken    | 056   |
| TMK           | 056, 177, 178   |
| Toshiba       | 156, 154, 060   |
| Tosonic       | 185   |
| Totevision    | 039   |
| Trical        | 157   |
| Universal     | 027   |
| Vector        |   |
| Research      | 030   |
| Victor        | 053   |
| Vidikron      | 054   |
| Vidtech       | 019, 178  |
| Viking        | 046   |
| Wards         | 030, 054, 056, 096, 165, 019, 016, 020, 021, 027, 028, 029, 174, 178, 179           |
| Yamaha        | 019, 030  |
| Zenith        | 017, 092, 016   |
| Zonda         | 003   |

### To program the Navigator to operate your VCR:

Look at the brand name of your VCR and then write it in the space below.

VCR Brand: \_\_\_\_\_

Locate the brand name of your VCR in the "SETUP CODES FOR VCRs" section. The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to program your *Navigator* to operate your VCR.

To program the *Navigator* to operate your VCR:


- Turn on your VCR and insert a tape.
- Press **VCR** and release. Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
- Enter the first three-digit VCR code listed in the "SET UP CODES FOR VCRs" section. If you perform this procedure correctly, the red light will blink twice.
- Aim the *Navigator* at your VCR and press **POWER**. Your VCR should turn off. If your original VCR remote control did not have a **POWER** key, press **PLAY**. Your VCR should start to play. If your VCR does not respond, repeat steps 2-4, trying each code listed for your brand until you find the one that operates your VCR. If you still cannot get your VCR to work with the *Navigator*, try searching for your code as outlined in the "Searching For Your Code" section.

Your *Navigator* is now programmed to operate your VCR. Write your VCR code in the boxes to the left for future reference.







Remember, if you want to use your *Navigator* to operate your VCR, press the **VCR** key first.

### SETUP CODES FOR VCRs

|                 |  |
|-----------------|--|
| Admiral         | 048  |
| Adventura       | 000  |
| Aiko            | 278  |
| Aiwa            | 000, 037   |
| Akai            | 041, 049, 053, 106   |
| American        |  |
| High            | 035  |
| JVC             | 240  |
| Asha            | 240  |
| Audiovox        | 037  |
| Beaumarx        | 240  |
| Bell & Howell   | 104  |
| Broksonic       | 209, 121, 184, 479, 211, 295, 361  |
| Calix           | 037  |
| Canon           | 035  |
| Capehart        | 020  |
| Carver          | 081  |
| CCE             | 072, 278   |
| Citizen         | 037, 278   |
| Colt            | 072  |
| Craig           | 037, 047, 072, 240, 271  |
| Curtis          |  |
| Mathes          | 035, 041, 060  |
| Cybernex        | 240, 051   |
| Daewoo          | 278, 020, 045  |
| Daytron         | 020  |
| Denon           | 042  |
| Dynatech        | 000  |
| Electrohome     | 037  |
| Electro-phonics | 037  |
| Emerex          | 032  |
| Emerson         | 184, 209, 479, 037, 002, 278, 294, 000, 043, 121, 068, 036, 088, 208, 211, 212, 295, 361 |
| Fisher          | 104, 054, 047, 066   |
| Fuji            | 033, 035   |
| Funai           | 000  |
| Garrard         | 000  |
| GE              | 060, 202, 035, 065   |
| Go Video        | 232, 279, 432  |
| Goldstar        | 037, 038   |
| Gradiente       | 000  |
| Harley          |  |
| Davidson        | 000  |
| Harman/Kardon   | 038, 075   |
| Hanwood         | 068, 072   |
| Headquarter     | 046  |
| Hi-Q            | 047  |
| Hitachi         | 042, 000, 041, 065, 105, 166   |
| Jensen          | 041  |
| JVC             | 041, 008, 067, 206   |
| KEC             | 037, 278   |
| Kenwood         | 041, 038, 067  |
| KLH             | 072  |
| Kodak           | 035, 037   |
| Lloyd's         | 000, 208   |
| Logik           | 072  |
| LXI             | 037  |
| Magnavox        | 035, 081, 039, 149   |
| Magnivox        | 240  |
| Marantz         | 035, 081   |
| Marta           | 037  |
| Matsushita      | 162, 035   |
| MEI             | 035  |
| Memorex         | 035, 037, 104, 240, 039, 000, 046, 047, 048  |
| MGA             | 043  |
| MGN             |  |
| Technology      | 240  |
| Minolta         | 042, 105   |
| Mitsubishi      | 043, 067, 075, 173   |
| Motorola        | 035, 048   |
| MTC             | 000, 240   |
| Multitech       | 000, 072   |
| NAD             | 058  |
| NEC             | 038, 040, 041, 067, 104  |
| Nikko           | 037  |
| Nikon           | 034  |
| Noblex          | 240  |
| Olympus         | 035, 226   |
| Optimus         | 037, 048, 104, 162, 058, 432   |
| Optonica        | 062  |
| Orion           | 184, 209, 295, 479   |
| Panasonic       | 162, 035, 226  |
| Penney          | 035, 037, 240, 038, 040, 042, 054  |
| Pentax          | 042, 065, 105  |
| Philco          | 035  |
| Philips         | 035, 081, 062  |
| Pilot           | 037  |
| Pioneer         | 058, 067   |
| Portland        | 020  |
| Proffrionic     | 240  |
| Protec          | 072  |
| Pulsar          | 039, 051   |
| Quarter         | 046  |
| Quartz          | 046  |
| Quasar          | 162, 035   |
| RadioShack      | 000, 037   |
| Radix           | 037  |
| Randex          | 037  |
| RCA             | 060, 202, 042, 065, 105, 106, 149  |
| Realistic       | 000, 048, 104, 035, 037, 046, 047, 062, 066  |
| Ricoh           | 034  |
| Runco           | 039  |
| Salora          | 075  |
| Samsung         | 240, 045, 051, 053   |
| Sanky           | 039, 048   |
| Sansui          | 041, 067, 271, 479   |
| Sanyo           | 104, 046, 047, 240   |
| Scott           | 184, 043, 045, 121, 210, 211, 212  |
| Sears           | 104, 035, 037, 042, 046, 047, 054, 066, 105  |
| Sharp           | 048, 062   |
| Shintom         | 072  |
| Shogun          | 240, 051   |
| Singer          | 072  |
| Sony            | 032, 033, 034, 035   |
| STS             | 042  |
| Sylvania        | 035, 081, 000, 043   |
| Symphonic       | 000  |
| Tatung          | 041  |
| TEAC            | 000, 041   |
| Technics        | 162, 035   |
| Teknika         | 000, 035, 037  |
| TMK             |  |

4.  Press **CH-**. The *Navigator's* red light will blink twice.





The **CABLE** key is now unlocked and ready to be reprogrammed. When you are finished reprogramming the **CABLE** key, you can then lock in the code. To reprogram the **CABLE** key:

1.  Turn on your Cable Converter.
2.  Press **CABLE** and release. Press and hold  **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
3.  Enter the first three-digit Cable Converter code listed in the "SET UP CODES FOR CABLE CONVERTERS" section. If you perform this procedure correctly, the red light will blink twice.
4.  Aim the *Navigator* at your Cable Converter and press **POWER**. Your Cable Converter should turn off. If your Cable Converter does not respond, repeat steps 2-4, trying each code listed for your brand until you find the one that operates your Cable Converter. If you still cannot get your Cable Converter to work with the *Navigator*, try searching for your code as outlined in the "Searching For Your Code" section.
5.  Your *Navigator* is now programmed to operate your Cable Converter. Write your Cable Converter code in the boxes to the left for future reference.

Remember, if you want to use your *Navigator* to operate your Cable Converter, press the **CABLE** key first.

**NOTE:** The **CABLE** key can be programmed with codes for DBS Satellites. To program your DBS Satellite, follow the steps above, entering the three-digit code for your DBS Satellite instead of the three-digit code for your Cable Converter.

To lock in the code after you have reprogrammed the **CABLE** key:

1.  Press and release **CABLE**.
2.  Press and hold **SETUP** until the *Navigator's* red light blinks twice. Release **SETUP**.
3.  Press **9 - 9 - 7**. The *Navigator's* red light will blink twice.
4.  Press **CH+**. The *Navigator's* red light will blink twice.




#### SETUP CODES FOR CABLE CONVERTERS

|             |                         |
|-------------|-------------------------|
| ABC         | 003, 008, 014           |
| Allegro     | 153, 315                |
| Antronix    | 022                     |
| Archer      | 022, 153, 797           |
| Cabletenna  | 022                     |
| Cableview   | 022                     |
| Century     | 153                     |
| Citizen     | 153, 315                |
| Comtronics  | 040                     |
| Contec      | 019                     |
| Digi        | 637                     |
| Emerson     | 797                     |
| Everquest   | 040                     |
| Garrard     | 153                     |
| Gemini      | 242                     |
| General     |                         |
| Instrument  | 476, 003, 276           |
| Goldstar    | 040, 144                |
| Goodmind    | 797                     |
| Hamlin      | 009, 020, 259, 273      |
| Jasco       | 153, 315                |
| Jerrold     | 476, 276, 003, 012, 014 |
| Memorex     | 000                     |
| Movie Time  | 063                     |
| Novaplex    | 618                     |
| NSC         | 063                     |
| Oak         | 019                     |
| Optimus     | 021                     |
| Panasonic   | 000, 021, 107           |
| Panther     | 637                     |
| Paragon     | 000                     |
| Philips     | 153, 242                |
| Pioneer     | 533, 144, 753           |
| Prelude     | 770                     |
| Pulsar      | 000                     |
| RadioShack  | 315                     |
| RCA         | 021                     |
| Regal       | 020, 259, 273           |
| Runco       | 000                     |
| Samsung     | 040, 144                |
| Scientific  |                         |
| Atlanta     | 477, 008, 277           |
| Signal      | 040                     |
| SL Marx     | 040                     |
| Sprucer     | 021                     |
| Starcom     | 003                     |
| Stargate    | 040, 770                |
| Tandy       | 258                     |
| TeleCaption | 221                     |
| Television  | 040                     |
| Timeless    | 418                     |
| Tocom       | 012                     |
| Toshiba     | 000                     |
| TV86        | 063                     |
| Unika       | 022, 153                |
| United      |                         |
| Cable       | 003                     |
| Universal   | 022, 153, 191           |
| Viewstar    | 063, 258                |
| Zenith      | 525, 000                |

#### SETUP CODES FOR DBS SATELLITES

|                        |     |
|------------------------|-----|
| AlphaStar              | 772 |
| EchoStar               | 775 |
| HTS                    | 775 |
| Hughes Network Systems | 749 |
| Jerrold                | 627 |
| Pace                   | 455 |
| Panasonic              | 701 |
| Primestar              | 627 |
| RCA                    | 566 |
| Scientific             |     |
| Atlanta                | 355 |
| Sony                   | 639 |




When you receive your *Navigator*, channel changing will be limited to the CABLE mode through a feature called Channel Lock. The Channel Lock feature limits channel changing (e.g. **CH +/-, 0 – 9** keys, **ENTER** and **LAST**) to the CABLE mode, even when the *Navigator* is in the TV or VCR mode. To unlock the Channel Lock feature to allow channel changing in the TV and VCR mode:

1.  Press and hold **SETUP** until the *Navigator's* red light blinks twice. Release **SETUP**.
2.  Press **9 - 9 - 6**. The *Navigator's* red light will blink twice.
3.  Press **CH-**. The *Navigator's* red light will blink twice.

Now, each individual mode (TV, VCR and CABLE) will control channel changing.

**NOTE:** The Channel Lock feature, whether it is locked or unlocked, will not effect the **AUDIO** mode.

To reactivate the Channel Lock feature to limit channel changing to the CABLE mode:

1.  Press and hold **SETUP** until the *Navigator's* red light blinks twice. Release **SETUP**.
2.  Press **9 - 9 - 6**. The *Navigator's* red light will blink twice.
3.  Press **CH+**. The *Navigator's* red light will blink twice.






To program the *Navigator* to operate your Audio Component (CD Player, Receiver, Amp or Digital Audio Service):

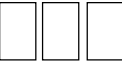
Look at the brand name of your Audio Component and then write it in the space below.

Audio Brand: \_\_\_\_\_

Locate the brand name of your Audio Component in the "SETUP CODES FOR AUDIO COMPONENTS" section. The brands are listed in alphabetical order with the most popular codes listed first. You will use one of these codes to program your *Navigator* to operate your Audio Component.

To program the *Navigator* to operate your Audio Component:

1.  Turn on your Audio Component. If you are setting up a CD Player, turn on your CD Player and insert a compact disc.
2.  Press **AUDIO** and release. Press and hold  **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
3.  Enter the first three-digit Audio Component code listed in the "SET UP CODES FOR AUDIO COMPONENTS" section. If you perform this procedure correctly, the red light will blink twice.
4.  Aim the *Navigator* at your Audio Component and press **POWER**. If you are setting up a CD Player, aim the *Navigator* at your CD Player and press **PLAY**. Your Audio Component should turn off or your CD Player should play your disc. If your Audio Component does not respond, repeat steps 2-4, trying each code listed for your brand until you find the one that operates your Audio Component. If you still cannot get your Audio Component to work with the *Navigator*, try searching for your code as outlined in the "Searching For Your Code" section.

5.  Your *Navigator* is now programmed to operate your Audio Component. Write your Audio Component code in the boxes to the left for future reference.

Remember, if you want to use your *Navigator* to operate your Audio Component, press the **AUDIO** key first.

**NOTE:** For complete functionality of your Stereo Components you may need to try both Amplifier codes and Tuner/Receiver codes.

#### SETUP CODES FOR AUDIO COMPONENTS

##### Setup Codes For CD Players

|                      |  |
|----------------------|--|
| Aiwa                 | 124, 157   |
| Burmester            | 420  |
| California Audio Lab | 029  |
| Carver               | 157, 179, 437                                    |
| Denon                | 003  |
| DKK                  | 000  |
| Emerson              | 305  |
| Fisher               | 048, 174, 179                                    |
| Garrard              | 393, 420   |
| Genexxa              | 032, 305   |
| Hitachi              | 032  |
| JVC                  | 072  |
| Kenwood              | 028, 037, 048, 190                               |
| Krell                | 157  |
| Linn                 | 157  |
| LXI                  | 305  |
| Magnavox             | 157, 305   |
| Marantz              | 029, 157, 180                                    |
| MCS                  | 029  |
| Mission              | 157  |
| MTC                  | 420  |
| Nikko                | 174  |
| NSM                  | 157  |
| Onkyo                | 101  |
| Optimus              | 000, 032, 037, 048, 145, 179, 305, 420, 437, 468 |

|            |                    |
|------------|--------------------|
| Panasonic  | 029                |
| Philips    | 157                |
| Pioneer    | 032, 244, 305, 468 |
| Proton     | 157                |
| QED        | 157                |
| Quasar     | 029                |
| RCA        | 179, 305           |
| Realistic  | 179, 180, 420      |
| Rotel      | 157, 420           |
| SAE        | 157                |
| Sansui     | 157, 305           |
| Sanyo      | 179                |
| Scott      | 305                |
| Sears      | 305                |
| Sharp      | 037, 180           |
| Sherwood   | 180                |
| Sony       | 000, 185           |
| Soundesign | 145                |
| Tascam     | 420                |
| TEAC       | 174, 180, 393, 420 |
| Technics   | 029                |
| Victor     | 072                |
| Wards      | 157                |
| Yamaha     | 036                |
| Yorx       | 461                |

##### Setup Codes For Receivers

|      |               |
|------|---------------|
| ADC  | 531           |
| Aiwa | 121, 158, 189 |

|               |                              |
|---------------|------------------------------|
| Capetronic    | 531                          |
| Carver        | 042, 189                     |
| Casio         | 195                          |
| Clarinette    | 195                          |
| Denon         | 004                          |
| Fisher        | 042, 219                     |
| Garrard       | 463                          |
| Harman/Kardon | 110                          |
| JVC           | 074                          |
| Kenwood       | 027, 186                     |
| Linn          | 189                          |
| Lloyd's       | 195                          |
| LXI           | 181                          |
| Magnavox      | 189, 195, 531                |
| Marantz       | 039, 189                     |
| MCS           | 039                          |
| Modulaire     | 195                          |
| NAD           | 320                          |
| Onkyo         | 135                          |
| Optimus       | 042, 181, 186, 219, 531, 670 |

|            |                    |
|------------|--------------------|
| Panasonic  | 039                |
| Penney     | 195                |
| Philips    | 189                |
| Pioneer    | 150, 531, 630      |
| Quasar     | 039                |
| RCA        | 054, 530, 531      |
| Realistic  | 181, 195           |
| Sansui     | 189                |
| Sanyo      | 219                |
| Sharp      | 186                |
| Sherwood   | 502                |
| Sony       | 158, 474           |
| Soundesign | 670                |
| TEAC       | 463                |
| Technics   | 039, 309, 518      |
| Victor     | 074                |
| Wards      | 042, 054, 158, 189 |
| Yamaha     | 176, 186           |
| Yorx       | 195                |

##### Setup Codes For Amplifiers




|            |               |
|------------|---------------|
| Denon      | 160           |
| GE         | 078           |
| JVC        | 331           |
| Luxman     | 165           |
| Optimus    | 013, 300, 395 |
| Pioneer    | 013, 300      |
| Realistic  | 395           |
| Sony       | 220, 689      |
| Soundesign | 078, 211      |
| Technics   | 308           |
| Victor     | 331           |
| Wards      | 013, 078, 211 |
| Yamaha     | 133, 354      |


##### Setup Codes For Digital Audio Service


|            |          |
|------------|----------|
| Jerrold    | 459, 520 |
| Scientific |          |
| Atlanta    | 460      |
| Starcom    | 459      |

### Searching For Your Code

If your TV, VCR, Cable Converter or Audio Component does not respond to the *Navigator* 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 *Navigator* to operate your TV, then:

1.  Turn on your TV.
2.  Press **TV** and release. Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
3.  Press **9 - 9 - 1**.

4.  *Slowly* alternate between pressing **POWER\*** and **TV** until your TV turns OFF. Make sure that the *Navigator* is aimed at your TV during the search. You may have to press this sequence of buttons (**POWER\*** then **TV**) up to 100 times to search the entire library of codes.


5.  When your TV turns OFF, press and release **SETUP** to lock in the code for your TV. Your *Navigator* is now programmed to operate your TV.

**NOTES:** To search for the codes of your other components, repeat Steps 1 through 4, only substitute the appropriate device key (**VCR**, **CABLE** or **AUDIO**) for the component you are searching for.


\*If you are searching for your VCR or CD Player code, you may want to use the **PLAY** key instead of the **POWER** key to search for your code. When your VCR or CD Player starts to play, press **SETUP** to lock in your code.


### Learning The Codes Programmed Into The Navigator


If you have set up the *Navigator* using the "Searching For Your Code" procedure, you may need to find out which three-digit code is operating your equipment. Use this procedure *after you have set up your components* to find out which three-digit code is operating your equipment. For example, to find out which code is operating your TV:

1.  Press **TV** and release. Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.

2.  Press **9 - 9 - 0**.

3.  For the first digit of your three-digit code, press **1**, wait 3 seconds and count the number of times the red light (LED) blinks on the *Navigator*. If the light does not blink when you press the number **1**, the digit is zero.

4.  For the second digit, press **2**, wait 3 seconds and count the number of times the red light (LED) blinks on the *Navigator*. If the light does not blink when you press the number **2**, the digit is zero.

5.  For the third and final digit, press **3**, wait 3 seconds and count the number of times the red light (LED) blinks on the *Navigator*. If the light does not blink when you press the number **3**, the digit is zero. Now you have your three-digit code.

**NOTE:** To find the code for your other components, repeat Steps 1 through 5, only substitute the appropriate device key (**VCR**, **CABLE** or **AUDIO**) for the component you wish to get the code for.

### Re-Assigning Device Keys




You can use the *Navigator* to operate a second TV or a second VCR or any combination of four home entertainment components. For example, you may want your *Navigator* to control 1 TV, 1 Cable Converter and 2 VCRs. To accomplish this, you must re-assign one of the keys to operate the desired component, in this case, a second VCR. Please note that the **CABLE** key cannot be re-assigned. The chart below shows you how to re-assign a particular device key and then set up your new component.

|              |  |
|--------------|--|
| TV to VCR    | <b>SETUP* + 992 + VCR + TV + TV + SETUP* + VCR</b> code.                 |
| TV to AUDIO  | <b>SETUP* + 992 + AUDIO + TV + TV + SETUP* + Audio</b> Component code.   |
| VCR to TV    | <b>SETUP* + 992 + TV + VCR + VCR + SETUP* + TV</b> code.                 |
| VCR to AUDIO | <b>SETUP* + 992 + AUDIO + VCR + VCR + SETUP* + Audio</b> Component code. |
| AUDIO to TV  | <b>SETUP* + 992 + TV + AUDIO + AUDIO + SETUP* + TV</b> code.             |
| AUDIO to VCR | <b>SETUP* + 992 + VCR + AUDIO + AUDIO + SETUP* + VCR</b> code.           |

**\*NOTE:** Here you must hold **SETUP** until the *Navigator's* red light blinks twice.




### Volume Lock

When you receive your *Navigator*, volume control is operated through your Television using a feature called Volume Lock. If your TV is not remote controllable, or if you would like the volume to be controlled by a different component, you can change the Volume Lock setting to control the volume through the CABLE, VCR or AUDIO mode. Changing the Volume Lock setting to the CABLE or VCR 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 (TV, VCR, CABLE and AUDIO) will be controlled by the AUDIO mode. To change the Volume Lock setting on the *Navigator* to the CABLE or AUDIO mode:

1.  Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
2.  Press **9 - 9 - 3**. The *Navigator's* red light will blink twice.
3.  Press and release **CABLE** or **AUDIO**. The *Navigator's* red light will blink twice.




Now, whenever you press **VOL+** , **VOL-** or **MUTE** on the *Navigator*, your cable converter or audio component will control the volume.

If you have a TV/VCR combination that does not use a TV code to control the volume, you can access the volume in the VCR mode. To change the Volume Lock setting on the *Navigator* to the VCR mode:

1.  Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
2.  Press **9 - 9 - 3**. The *Navigator's* red light will blink twice.
3.  Press and release **VCR**. The *Navigator's* red light will blink twice.

Now, whenever you press **VOL+** , **VOL-** or **MUTE** on the *Navigator*, your TV/VCR combo will control the volume.

To return the Volume Lock setting to the TV mode:

1.  Press and hold **SETUP** until the *Navigator's* red light blinks twice, then release **SETUP**.
2.  Press **9 - 9 - 3**. The *Navigator's* red light will blink twice.
3.  Press and release **TV**. The *Navigator's* red light will blink twice.

Now, whenever you press **VOL+** , **VOL-** or **MUTE** on the *Navigator*, your TV will control the volume.

### Troubleshooting

| Problem  | Solution   |
|--|--|
| Red light does not blink or blinks 5 times when you press a key?   | Replace the batteries with four (4) new AAA alkaline batteries.  |
| The red light blinks when you press a key but you receive no response from your home entertainment component?    | Make sure you are aiming your <i>Navigator</i> at your home entertainment component and that you are within 15 feet of the component you are trying to operate before using your remote.   |
| The <i>Navigator</i> does not operate your home entertainment components or is not performing commands properly? | Try all of the codes listed for your brand of home entertainment component in the "Set-Up Codes" section. Many setup codes may allow for partial functionality, however, only one setup code will operate your home entertainment component correctly. <b>Make sure that all of the components you are setting up are able to be operated with an infrared remote control.</b> |
| Problems programming a TV/VCR combo?   | Use the VCR setup codes for your brand. Some combo units may require both a TV code to control volume and a VCR code for full operation.   |
| VCR not recording?   | As a safety feature on the <i>Navigator</i> , you must press the <b>REC</b> key twice.   |
| No volume on a 2nd TV ?  | Press and hold <b>SETUP</b> until the <i>Navigator's</i> red light blinks twice. Release <b>SETUP</b> and enter <b>9-9-3</b> followed by <b>VOL +</b> .  |
| <b>Channel +/-</b> and <b>LAST</b> not working for your RCA TV?  | Due to RCA design (1983-1987), only the original remote control will operate these functions.  |
| Problems changing channels?  | If your original remote control required an <b>ENTER</b> keystroke when changing channels, press the <b>ENTER</b> key on the <i>Navigator</i> after you enter the channel number.  |

**World Wide Web:** <http://www.oneforall.com>

The UNIWAND "*Navigator*" does not have any user serviceable parts. Opening the case, except the battery cover, may cause permanent damage to your UNIWAND "*Navigator*".

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