

Basic remote control operations for other components

The remote control supplied with this receiver is also capable of controlling components from a variety of manufacturers once you register the appropriate setup codes into the remote control unit.

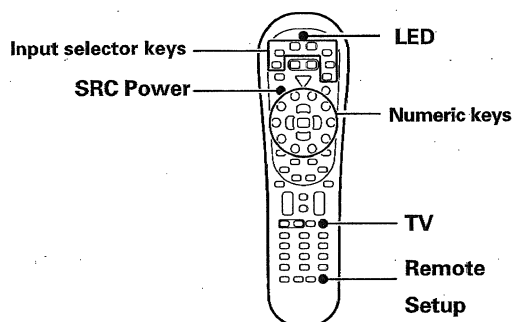
Low battery warning

Replace all two batteries with new ones when you notice a shortening of the distance from which the remote control will operate. The remote control is designed to retain setup codes in memory while you change batteries.

Registering setup codes for other components

When the setup code defined for remote control of every system component is registered in one of the input selector keys of the remote control unit, you can control that component simply after selecting it using the corresponding input selector key of the remote control unit.

- When recording audio on a VCR or MD recorder, for example, you can also control the system component by switching only the remote control unit, without switching the input source of the receiver.



1 Find the setup code of the component to be registered.

Refer to the setup code lists to find the setup code for the component to be registered. —[64]—[69]

Example: To register a DVD made by KENWOOD, you would enter "0490" or "0534".

2 Press the input selector key (DVD, VID1, VID2, AUX, F.AUX, Game or TV) you want to register a system component.

The following table shows the type of components that can be registered in each input selector key.

Input selector key	Registerable component	Input jacks where the component is connected
DVD	DVD player	DVD
VID1	VCR	VIDEO1
VID2	Cable Converters Satellite Receivers	VIDEO2
AUX	CD player, MD recorder (KENWOOD)	AUX
F. AUX	Game player (Default: Xbox), DVD player	FRONT AUX
Game	Game player (Default: Play Station2), DVD player	GAME
TV	TV (including TVs incorporating VCR)	—

- Make sure that a source belonging to the registerable component is connected to the corresponding input jacks on the receiver.
- A second DVD recorder, CD player or VCR can also be connected by changing the assignment of the registerable component devices. See "Re-assigning device keys" on page 63.

3 Press and hold the Remote Setup key until the LED blinks twice, then release the Remote Setup key.

- Proceed to the next steps in less than 10 seconds after the LED blinks twice.

4 Press the numeric key to enter the four-digit code for the component to be registered.

- The LED blinks twice when registration is completed successfully.

5 Ensure that the registered component functions properly.

To ensure the proper function, perform the following operation and check if the component functions as intended.

Point the remote control unit to the component and press the **SRC Power** key (or the **TV Power** key if the component is a TV) once. If the setup code is registered properly, the component should be turned ON or OFF. If the component is a VCR, turn the VCR ON and load a video tape and perform an operation such as playback. The VCR should function as controlled if its setup code is registered properly.

If the component does not function properly:

If more than one setup code is listed for the component, try registering another setup code by performing steps 3 to 5.

- Repeat steps 1 to 5 above to register the setup code of another component.
- To change the registered setup code, register a new setup code again by performing steps 1 to 5 above.

Note

Although each setup code is designed to work with a number of different models, certain codes may not work with some models. (Also, certain codes may only operate some of the functions available on a given model.)

Searching for your code

If your component does not respond after trying all the codes listed for your component, or if your component is not listed at all, try searching for your code.

For example, to search for a code for your TV.

1 Press the TV key once.

When searching for the setup code of a component other than TV:

Press the desired input selector key instead of the TV key.

2 Press and hold the Remote Setup key until the LED blinks twice, then release the Remote Setup key.

- Proceed to the next steps in less than 10 seconds after the LED blinks twice.

3 Press the numeric key to enter "991".

- The LED will blink twice.

4 Point the remote control at the TV and slowly alternate between pressing the TV Power and TV keys. Stop when the TV turns on or off.

- In the search mode, the remote control will send IR codes from its library to the selected device, starting with the most popular code first.

When searching for the setup code of a component other than TV:

To search for the setup code of a DVD, CD, MD or VCR, press the input selector key pressed in 1 and the **SRC Power** key alternately and check if the component to be registered is turned ON and OFF. To search for the setup code of a VCR, turn the VCR ON, load a tape and press the input selector key pressed in step 1 (i.e. VID1) and an operation key such as the play key alternately and check if the VCR is controlled as intended.

5 Press the Remote Setup key once to lock in the code.

Checking the codes

The 4-digit setup codes registered in the input selector keys can be checked as follows.

- 1 Press the input selector key in which the setup code of the desired component is registered.**
- 2 Press and hold the Remote Setup key until the LED blinks twice, then release the Remote Setup key.**
 - Proceed to the next steps in less than 10 seconds after the LED blinks twice.
- 3 Press the numeric key to enter "9 9 0".**
 - The LED will blink twice.
- 4 Press the numeric key "1" once.**

The LED blinks for the same number of times as the numeral in the first digit of the 4-digit code. When the registered setup code is "1338", for example, the LED will blink once. If a code digit is "0", the LED will not blink.
- 5 Repeat step 4 three more times for the remaining digit. Use "2" for the second digit, "3" for the third digit, and "4" for the fourth digit.**

Re-assigning device keys

The type of component device that can be registered is assigned in advance in each input selector key, but this assignment can be changed as desired by the user.

For example, the initial status is set so that a VCR can be registered in the input selector **VID1** key. If you want to register the setup code of a DVD player in the **VID1** key just like in the **DVD** key, reassign the key (change the registerable component type assignment for the input selector key) as described below.

- 1 Press and hold the Remote Setup key until the LED blinks twice, then release the Remote Setup key.**
 - Proceed to the next steps in less than 10 seconds after the LED blinks twice.
- 2 Press the numeric key to enter "9 9 2".**
 - The LED will blink twice.
- 3 Press the DVD key once, then press the VID1 key once.**

The LED blinks twice, and it is possible to register the setup code of a DVD player in the **VID1** key just like in the **DVD** key. Now register the setup code according to the model of the DVD player. The combination of components assignable to the input selector keys can be changed by pressing different keys in step 3. For example, to change the key assignment so that the same component as that registered in input selector "B" key can be registered in input selector "A" key, press the "B" key then the "A" key after entering "9 9 2" with the numeric keys.

 - For the originally assigned relationship between the input selector keys and system component types, see the table on the previous page.
 - To restore the original component type assignment of an input selector key, press that input selector key twice after entering "9 9 2".
 - It is not possible to register a component in the **TUNER** key.

Examples of key re-assignment and the order of pressing the keys:

Registration of a DVD player in the **VID1** key

To change the VID1 key to the DVD key:

"9 9 2" → "DVD" → "VID1"

Restoration of the original key assignment

To return the VID1 key to the VID1 key:

"9 9 2" → "VID1" → "VID1"

Registration of a VCR in the **VID2** key

To change the VID2 key to the VID1 key:

"9 9 2" → "VID1" → "VID2"

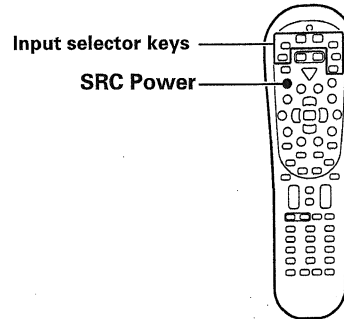
Restoration of the original key assignment

To return the VID2 key to the VID2 key:

"9 9 2" → "VID2" → "VID2"

Operating other components

This operation lets you operate the registered components.



- 1 Use the Input Selector keys to select the component you desire.**

When the input selector key is pressed, the system component registered in the pressed key becomes ready to be controlled. The input selector of the receiver is also switched accordingly. If you want to control the component registered in the remote's input selector key without switching the receiver's input selector to that source, press and hold the input selector key for more than 3 seconds.

 - To put the remote control unit to the receiver control mode, press the **RCV Mode** key.
- 2 Turn the component ON.**
 - A DVD player, CD player, MD recorder or VCR registered in one of the remote's input selector keys can be turned ON by pressing the remote's **SRC Power**.
 - A TV registered in one of the remote's input selector keys can be turned ON by pressing the remote's **TV Power** key.
- 3 Press the operation keys you desire.**
 - For the keys that can be used with each system component, see pages 76 to 77.

Clearing all of the settings registered or stored in the remote control unit

You can reset the remote control unit to the initial status after purchase, clearing all of the component registration using setup codes and other data stored using the learning functions.

- 1 Press and hold the Remote Setup key until the LED blinks twice, then release the Remote Setup key.**
 - Proceed to the next steps in less than 10 seconds after the LED blinks twice.
- 2 Press the numeric key to enter "9 8 1".**
 - The LED blinks four times, and all of the data you registered or stored in the remote control unit is cleared.

Remote Control

Setup code chart (RC-R0826) (For U.S.A., Canada and Australia)

Even when a component is manufactured by a maker listed in the setup code chart, it may be unable to be registered depending on the model and year of production. Also, when a setup code of a non-KENWOOD maker is registered, certain component models may be unable to be controlled or only the limited functions may be controllable. In this case, it is recommended to use the remote control unit provided with the system component. For how to register the setup codes, read "Registering setup codes for other components" carefully. → 62

Cable Converters

Maker	Setup codes
ABC	0003, 0008, 0014
Americast	0899
Bell & Howell	0014
Bell South	0899
Clearmaster	0883
ClearMax	0883
Coolmax	0883
Director	0476
General Instrument	0476, 0810, 0276, 0003
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0476, 0810, 0276, 0003, 0014
Memorex	0000
Motorola	0476, 0810, 0276, 1254, 1376
Pace	0237
Panasonic	0000, 0107
Paragon	0000
Philips	0305, 0317
Pioneer	0877, 1877, 0144, 0533
Pulsar	0000
Quasar	0000
RadioShack	0883
Regal	0279, 0273
Runco	0000
Samsung	0144
Scientific Atlanta	877, 1877, 0477, 0008
Sony	1006
Starcom	0003
Supercable	0276
Supermax	0883
Torx	0003
Toshiba	0000
Tristar	0883
V2	0883
Viewmaster	0883
Vision	0883
Vortex View	0883
Zenith	0000, 0525, 0899

CD player

Maker	Setup codes
Kenwood	0681, 0826, 0626, 0028, 0037, 0339, 1490, 0338, 0523, 0859, 0190, 0340, 0677, 0858, 1338
Marantz	0626
Optimus	0037
Philips	0626
Sharp	0037
Yamaha	0036

MD recorder

Maker	Setup codes
Kenwood	0681, 0826, 1339

Audio Amp/Tuners

Maker	Setup codes
Kenwood (Sirius Satellite Radio)	2000

Video Accessories

Maker	Setup codes
Macro Image Technology	1383
MyHD	1383
Panasonic	1120
Pioneer	1010
Princeton	0113, 0295
Samsung	1490
Sensory Science	1126
Sharp	1010
Viewsonic	1329

Satellite Receivers

Maker	Setup codes
AlphaStar	0772
Chaparral	0216
Crossdigital	1109
DirecTV	0392, 0566, 0639, 1639, 1142, 0247, 0749, 1749, 0724, 0819, 1856, 1076, 1109, 0099
Dish Network System	1005, 0775
Dishpro	1005, 0775
Echostar	1005, 0775
Expressvu	0775
GE	0566
General Instrument	0869
GOI	0775
Hitachi	0819
HTS	0775
Hughes Network Systems	1142, 0749, 1749
JVC	0775
Magnavox	0724, 0722
Memorex	0724
Mitsubishi	0749
Motorola	0869
Next Level	0869
Panasonic	0247, 0701
Paysat	0724
Philips	1142, 0749, 1749, 0724, 1076, 0722, 0099
Proscan	0392, 0566
RadioShack	0869
RCA	0392, 0566, 0855, 0143
Samsung	1276, 1109
SKY	0856
Sony	0639, 1639
Star Choice	0869
Tivo	1142
Toshiba	0749, 1749, 0790, 1285
Uniden	0724, 0722
Zenith	0856, 1856



TV

Maker	Setup codes
Admiral	0093, 0463
Aiko	0092
Aiwa	1914
Akai	0812, 0702, 0030, 0672
Albatron	0843
America Action	0180
Ampro	0751
Anam	0180
AOC	0030
Apex Digital	0748, 0765, 1943
Audiovox	0451, 0180, 0092
Bell & Howell	0154
Bradford	0180
Broksonic	0236, 0463, 1935, 1929, 1938
Candle	0030
Carnivale	0030
Carver	0054
Celebrity	0000
Celera	0765
Changhong	0765
Citizen	0060, 0030, 1928, 0092
Clarion	0180
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0047, 0054, 0154, 0451, 0093, 0060, 0702, 0030, 0145, 0166, 1919, 1347
CXC	0180
Daewoo	0451, 1661, 0672, 1928, 0092
Denon	0145
Dumont	0017
Durabrand	0180, 0178
Dwin	0720
Electroband	0000
Elektra	0017, 1661
Emerson	0154, 0236, 0463, 0180, 0178, 0171, 1944, 1929, 1928
Envision	0030
Epson	0833
Fisher	0154
Fujitsu	0853, 0809, 0683
Funai	0180, 0171
Futuretech	0180
Gateway	1756, 1755
GE	0047, 0051, 0451, 0178, 1347, 1922, 1919, 1917
Gibraltar	0017, 0030
GoldStar	0030, 0178, 1926
Grunpy	0180
Hallmark	0178
Harman/Kardon	0054
Harvard	0180
Havermy	0093
Hello Kitty	0451
Himitsu	0180
Hisense	0748
Hitachi	1145, 0145
Hyundai	0849
Infinity	0054
Inteq	0017

TV (Continued)

Maker	Setup codes
JBL	0054
JCB	0000
JVC	0053
KEC	0180
Kenwood	0030
KLH	0765
KTV	0180, 0030
LG	0856
LXI	0047, 0054, 0154, 0156, 0178
Magnasonic	1928, 1913
Magnavox	0054, 0030, 1454, 0706, 1254, 1931, 1913
Marantz	0054, 0030
Matsushita	0250, 0650
Megatron	0178, 0145
Memorex	0154, 0463, 0150, 0178, 1926
MGA	0150, 0030, 0178
Midland	0047, 0017, 0051
Mitsubishi	0093, 0150, 1250, 0178, 1917
Monivision	0843
Motorola	0093
MTC	0060, 0030
Multitech	0180
NAD	0156, 0178, 0866
NEC	0030, 1704, 0497
Nikko	0030, 0178, 0092
Norcent	0748, 0824
NTC	0092
Onwa	0180
Optimus	0154, 0250, 0166, 1913, 0650
Optonica	0093
Orion	0236, 0463, 1929
Panasonic	0250, 0051, 0650, 1946, 1941, 1919
Penney	0047, 0156, 0051, 0060, 0030, 0178, 1926, 1919, 1347
Philco	0054, 0030
Philips	0054, 1454, 0690
Pilot	0030
Pioneer	0166, 0866, 0679
Portland	0092
Prism	0051
Proscan	0047, 1922
Proton	0178
Pulsar	0017
Quasar	0250, 0051, 1919, 0650
RadioShack	0047, 0154, 0180, 0030, 0178
RCA	0047, 1919, 0090, 1247, 1917, 1948, 1047, 1547, 1922, 0679, 1347
Realistic	0154, 0180, 0030, 0178
Runco	0017, 0030, 0497, 0603
Sampo	0030, 1755
Samsung	0060, 0812, 0702, 0030, 0178, 1060, 0766, 1903
Sansui	0463, 1929
Sanyo	0154, 0799
Scotch	0178
Scott	0236, 0180, 0178
Sears	0047, 0054, 0154, 0156, 0178, 0171, 1926
Sharp	0093, 0688, 1917, 0491, 0851, 0689

Remote Control

Basic remote control operations for other components

TV (Continued)

Maker	Setup codes
Sheng Chia	0093
Sony	0000, 0834, 1925
Soundesign	0180, 0178
Squareview	0171
SSS	0180
Starlite	0180
Supreme	0000
SVA	0748
Sylvania	0054, 0030, 0171, 1944, 1931
Symphonic	0180, 0171, 1913
Tandy	0093
Technics	0250, 0051
Techwood	0051
Teknika	0054, 0180, 0150, 0060, 0092
Telefunken	0702
TMK	0178
TNCi	0017
Toshiba	0154, 0156, 0060, 1935, 0650, 1704, 1945, 1356, 1936, 0832
TVS	0463
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178
Viewsonic	1755
Wards	0054, 0030, 0178, 0866
Waycon	0156
White Westinghouse	0463
Yamaha	0030, 0769, 0833
Zenith	0017, 0463, 0178, 0092, 1929

Video Projector

Maker	Setup codes
Ampro	0751
Dwin	0720
Epson	0833
NEC	0497
RCA	0047
Runco	0603, 0497
Sanyo	0799
Sharp	0688, 0491, 0851, 0689
Sony	0834
Toshiba	0832
Yamaha	0833
Zenith	0017

TV/VCR Combination

Maker	Setup codes
Aiwa	1914
America Action	0180
Audiovox	0180
Broksonic	1929
Citizen	1928
Curtis Mathes	1919
Daewoo	1928
Emerson	0236, 1929, 1928
GE	1922, 1919, 1917
GoldStar	1926
Magnasonic	1928, 1913
Magnavox	1913, 1931

TV/VCR Combination (Continued)

Maker	Setup codes
Memorex	1926
Mitsubishi	1917
Optimus	1913
Orion	1929
Panasonic	1919
Penney	1926, 1919
Quasar	1919
RCA	1922, 1919, 1917
Sansui	1929
Sears	1926
Sony	1925
Sylvania	1931
Symphonic	1913
Toshiba	1936
Zenith	1929

TV/DVD Combination

Maker	Setup codes
Apex Digital	1943
Broksonic	1935
Panasonic	1941
RCA	1948
Samsung	1903
Sylvania	0171
Toshiba	1935

VCR

Maker	Setup codes
Admiral	0048
Aiwa	0037
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Broksonic	0184, 0121
Calix	0037
Canon	0035
Carver	0081
Citizen	0037
Craig	0037, 0047, 0240
Curtis Mathes	0060, 0035, 0162
Cybernex	0240
Daewoo	0045
Denon	0042
Durabrand	0039
Electrohome	0037
Electrohome	0037
Emerex	0032
Emerson	0037, 0184, 0121, 0043
Fisher	0047, 0104
Fuji	0035, 0033
GE	0060, 0035, 0240
GoldStar	0037
Harman/Kardon	0081
HI-Q	0047
Hitachi	0042
Hughes Network Systems	0042
JVC	0067
KEC	0037

Remote Control

VCR (Continued)

Maker	Setup codes
Kenwood	0067
Kodak	0035, 0037
LXI	0037
Magnavox	0035, 0039, 0081
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162
MEI	0035
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0104
MGA	0240, 0043
MGN Technology	0240
Minolta	0042
Mitsubishi	0067, 0043
Motorola	0035, 0048
MTC	0240
NEC	0104, 0067
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0162, 0037, 0048, 0104
Orion	0184
Panasonic	0035, 0162, 0616
Penney	0035, 0037, 0240, 0042
Pentax	0042
Philco	0035
Philips	0035, 0081, 0618
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060
Pulsar	0039
Quasar	0035, 0162
Radix	0037
Randex	0037
RCA	0060, 0240, 0042, 0880
Realistic	0035, 0037, 0048, 0047, 0104
ReplayTV	0616
Runco	0039
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0067
Sanyo	0047, 0240, 0104
Scott	0184, 0045, 0121, 0043
Sears	0035, 0037, 0047, 0042, 0104
Sharp	0048
Shogun	0240
Sonic Blue	0616
Sony	0035, 0032, 0033, 0636
STS	0042
Sylvania	0035, 0081, 0043
Technics	0035, 0162
Teknika	0035, 0037
Tivo	1503, 0636, 0618
TMK	0240
Toshiba	0045, 0043, 1503
Totevision	0037, 0240
Unitech	0240
Vector	0045

VCR (Continued)

Maker	Setup codes
Video Concepts	0045
Videomagic	0037
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0042
XR-1000	0035
Zenith	0039, 0033

PVR

Maker	Setup codes
Panasonic	0616
Philips	0618
ReplayTV	0616
Sonic Blue	0616
Sony	0636
Tivo	0636, 0618

DVD player

Maker	Setup codes
Allegro	0869
Apex Digital	0672, 0717, 0796, 0794, 1061
Blaupunkt	0717
Blue Parade	0571
CineVision	0876, 0869
CyberHome	0816
Daewoo	0784, 0833
Denon	0490
DVD2000	0521
Emerson	0591, 0675
Enterprise	0591
Fisher	0670
Funai	0675
GE	0522, 0815, 0717
Go Video	0715, 0783
Greenhill	0717
Hitachi	0573, 0664
Hiteker	0672
Initial	0717
InterAct	0697
JVC	0558, 0623, 0867
Kenwood	0490, 0534
KLH	0717, 1020
Koss	0651
Lasonic	0798
Mad Catz	1108, 1002
Magnavox	0503, 0675
Marantz	0539
Microsoft	0522
Mintek	0717
Mitsubishi	1521, 0521
Nesa	0717
Norcent	1003
Onkyo	0503
Oritron	0651
Panasonic	0490, 1762
Pelican Accessories	0731
Philips	0503, 0539, 0646
Pioneer	0525, 0571
Polk Audio	0539
Proscan	0522

Remote Control

DVD player (Continued)

Maker	Setup codes
Qwestar	0651
RCA	0522, 0571, 0717, 0822
Rio	0869
Rotel	0623
Saitek	0731
Samsung	0490, 0573, 1075, 0820
Sanyo	0670, 0873
Sharp	0630
Shin Sonic	0533
Sonic Blue	0869
Sony	0864, 0772, 1033
Sylvania	0675
Symphonic	0675
Technics	0490
Theta Digital	0571
Thrustmaster	0498
Toshiba	0503
Tredex	0799
Urban Concepts	0503
Yamaha	0490, 0539, 0545
Zenith	0503, 0591, 0869

Game Player

Maker	Setup codes
Xbox	0522
Sony PlayStation2	0533

Setup code chart (RC-R0826E) (For Europe)

Even when a component is manufactured by a maker listed in the setup code chart, it may be unable to be registered depending on the model and year of production. Also, when a setup code of a non-KENWOOD maker is registered, certain component models may be unable to be controlled or only the limited functions may be controllable. In this case, it is recommended to use the remote control unit provided with the system component. For how to register the setup codes, read "Registering setup codes for other components" carefully. → 62

Cable Converters

Maker	Setup codes
ADB	1063
Birmingham Cable Communications	0276
Cable & Wireless	1068
Decsat	0423
Filmnet	0443
Golden Channel	1110, 1063
HyperVision	0619
Jerrold	0276
MNET	0443
Noos	0817
NTL	1068
Ono	1068
Pace	1068, 1060
Philips	0619
Sagem	0817
Supercable	0276
Tele Danmark	1016
Tele+1	0443
Telewest	1068
Thomson	1110
Visionetics	1064

CD player

Maker	Setup codes
Arcam	0157
Audio Research	0157
Audiolab	0157
Audiomeca	0157
Audioton	0157
Cairn	0157
Cyrus	0157
DMX Electronics	0157
Grundig	0157
Kenwood	0028, 0190, 0626, 1059, 0523, 0692, 0681, 0338, 0339, 0826, 0340, 0858, 0859, 1490, 1338
Linn	0157
Marantz	0157
Matsui	0157
Meridian	0157
Micromega	0157
Myryad	0157
Naim	0157
Philips	0157, 0626
Quad	0157
Revox	0157
Rotel	0157
Sharp	0037
Simaudio	0157

CD player (Continued)

Maker	Setup codes
TAG McLaren	0157
Thorens	0157
Thule	0157
Toshiba	0692
Trio	0677
Universum	0157
Yamaha	0036

MD recorder

Maker	Setup codes
Kenwood	1059, 0681, 1339

Satellite Receivers

Maker	Setup codes
@sat	1300
@Sky	1334
ABsat	0123
Amstrad	0847, 0811, 0501
Arcon	1205
Aston	1261
Astro	0173, 0548, 0501
Atsat	1300
AtSky	1334
Blaupunkt	0173
British Sky Broadcasting	0847, 1175, 1848
Canal Digital	0853
Canal Satellite	0853, 1339
Canal+	0853
CityCom	0115, 1176
Clark	0811
Conrad	0115
Cyrus	0200
D-box	0873
Daewoo	1201, 1296
Digenius	1161, 0299
Distratel	0885
DMT	1075
DNT	0200
Dream Multimedia	1237
Echostar	0853, 0167, 0610, 1086, 0511, 0871, 0775
Engel	1017
Fidelity	0811
Force NO AS	1101, 1194
Fracarro	0871
FTE	0811, 1121, 0863
Galaxis	1111, 0283, 1101, 0863
GbSAT	1214
GOI	0775
Gold Box	0853
Gooding	0571
Goodmans	1284
Grundig	0847, 0173, 0750, 1150, 0571, 0805, 1330
Hauppauge	1298
HDT	1011, 1159
Hirschmann	0173, 0573, 0501, 1085, 0882
HTS	0775
Humax	0283, 1176, 1048, 0863
Hyundai	1159, 1011
InVideo	0871

Remote Control

Satellite Receivers (Continued)

Maker	Setup codes
JVC	0571, 0775
Kathrein	0173, 0200, 1057, 0658, 1221, 0123, 0249, 1058
Kreiselmeier	0173
Labgear	1296
Logix	1017
Lorenzen	0299
Luxor	0573
Manhattan	1083, 1017
Marantz	0200
Maspro	0750
Matsui	0571
MediaSat	0853
Medion	1232
Metronic	1216, 1210, 1334
Micronik	1003
Minerva	0571
Morgan's	1103
Multichoice	0879, 0642
Myryad	0200
Netgem	1322
Neuhaus	0501
NextWave	1239, 1143, 1119
Nokia	0751, 0873, 1023, 1311, 1310, 1223, 1723, 0573
Opentel	1232
Optex	1069
Orbitech	1100, 0501
Pace	0847, 1175, 0241, 0867, 1323, 0791
Palladium	0571
Palsat	0501
Panasat	0879
Panasonic	0847, 1104, 1320
Philips	0853, 0200, 0805, 0133, 0750, 0571
Pioneer	0853, 0352, 0329
Pixx	0552
Praxis	0629
Preisner	1262
Radiola	0200
Radix	1317, 0882
Rebox	1214
RFT	0200
Saba	0885
Sagem	0820, 1114, 1307
Samsung	1244, 1243, 1293, 1017, 1292
Sat Control	1300
SatPartner	0811
Satstation	1083
Schneider	0805
Schwaiger	1111, 0552
SEG	1191, 1087
Siemens	0173
SKY	0847, 1175, 1848
SM Electronic	1200, 0587
Sony	0847, 0278
Strong	0879, 1105, 1158, 1157, 1146, 1159
Supermax	1143
TechniSat	0501, 1100, 1099, 0548
Technosat	0839

Satellite Receivers (Continued)

Maker	Setup codes
Telestar	1100, 0501, 1202
Thomson	0853, 1046, 0265, 1291
Topfield	1207, 1206
TPS	0820, 1307
Triasat	0501
Triax	0115
Universum	0173, 0571
Ventana	0200
Vortec	0815
WinsTec	1240, 1241
Wisi	0173
Wisplus	1258
Xsat	0123, 1323
Zehnder	1075, 0552, 1251

TV

Maker	Setup codes
Acura	0009
Admiral	0087, 0163
Adyson	0217
AGB	0516
Aiwa	1916, 0701
Akai	0361, 0208, 0602, 0516, 0696
Akura	0264, 0218
Alba	0037, 0668, 0218, 0036, 0235, 0009, 0581, 0371
Amplivision	0217
Amstrad	0037, 0433, 0412, 0009, 0371, 0516, 0177
Anitech	0009
Arcam	0216, 0217
ASA	0104, 0087
Asuka	0218
Atlantic	0206
Audiosonic	0037, 0109
Autovox	0206, 0087
Bang & Olufsen	0565, 0087
Barco	0479, 0410
Basic Line	0218, 0009
Baur	0037, 0361, 0512, 0349
Beaumarck	0178
Beko	0714, 0486, 0715, 0370
Beon	0037
Binatone	0217
Blaupunkt	0195, 0191
Blue Sky	0668, 1037, 0218
Blue Star	0282
Boots	0217
BPL	0282
Brandt	0109, 0335
Brionvega	0087
Britannia	0216
Bruns	0087
BTC	0218
Bush	0037, 0668, 1037, 0698, 0218, 0036, 0282, 0371, 0581, 0009, 0355, 0519, 0349, 0374, 1900
Carrefour	0036
Cascade	0009
Cathay	0037

TV (Continued)

Maker	Setup codes
Centurion	0037
Century	0087
Cimline	0009
Clarivox	0037
Clatronc	0370
Condor	0370, 0320
Conrac	0808
Contec	0036, 0009, 0216
Crosley	0087
Crown	0037, 0370, 0579, 0009, 0418
CS Electronics	0216
Cybertron	0218
Daewoo	0037, 0634, 1909, 0374, 1902, 0009, 0499
Dainichi	0218
Dansai	0037
Dayton	0009
De Graaf	0548, 0208
Decca	0037, 0516, 0072
Digatron	0037
Dixi	0037, 0009
Dual	0519
Dual Tec	0217
Dumont	0087, 0070
Eiki	0735
Elbe	0259
Elin	0037, 0548
Elite	0218, 0320
Elta	0009
Emerson	1909, 0361, 0087
Erres	0037, 0012
Europhon	0516
Expert	0206
Ferguson	0037, 0560, 0073, 0193, 0190, 0335, 0109, 0238
Fidelity	0361, 0216, 0193
Finlandia	0208, 0346
Finlux	0037, 0070, 0104, 0411, 0087, 0346, 0072, 0105, 0516
Firstline	0668, 0216, 0009, 0217
Fisher	0370, 0208, 0104, 0217
Flint	0455
Forgestone	0193
Formenti	0037, 0087, 0320
Frontech	0264, 0163
Fujitsu	0683, 0206, 0072, 0853
Funai	0264
GE	1907, 0735, 1922
GEC	0037, 0072, 0516, 0217
Geloso	0009
Genexxa	0218, 0163
GoldStar	0037, 0217, 0178, 0109, 0377
Goodmans	0037, 0634, 1909, 0036, 0072, 0371, 0235, 0499, 0217, 0374, 1900
Gorenje	0370
GPM	0218
Graetz	0361, 0163
Granada	0037, 0208, 0516, 0072, 0339, 0045, 0217
Grandin	0610, 0282
Grundig	0556, 0195, 0487, 0587, 0070, 1935, 0191

TV (Continued)

Maker	Setup codes
Hanimex	1908
Hanseatic	0556, 0037, 0361, 0320
Hantarex	0516
Havermy	0093
HCM	0412, 0282, 0009
Hinari	0037, 0218, 0036, 1908, 0009
Hisawa	0455, 0282
Hitachi	0548, 1037, 0036, 0225, 0105, 0217, 0356, 0578, 0044, 0163, 0349, 0744, 1225, 0109, 0481, 0719, 1045
HuanYu	0374, 0216
Hypson	0037, 0264, 0282
ICE	0264, 0371, 0217
ICeS	0218
Imperial	0370, 0418
Indiana	0037
Ingelen	0163
Inno Hit	0072, 0516
Interfunk	0037, 0361, 0163, 0512
Intervision	0037, 0264, 0102, 0377, 0217
Isukai	0218
ITS	0371
ITT	0548, 0361, 0163
JVC	0606, 0036, 0653, 0371, 0683, 0190
Kaisui	0218, 0216, 0282, 0009, 0217
Kapsch	0206, 0163
Karcher	0610
Kathrein	0556
Kendo	0037, 0235
Kingsley	0216
Kneissel	0435, 0259
Konka	0725, 0726
Korpel	0037
Korting	0087
Koyoda	0009
L&S Electronic	0808
Leyco	0037, 0264, 0072
LG	0037, 0714, 1934, 0823
Liesenk & Tter	0037
Loewe	0790, 0512, 0087, 0791, 0633
Luma	0206
Luxor	0361, 0194, 0356, 0349
M Electronic	0037, 0480, 0104, 0163, 0374, 0109, 0346, 0009, 0105, 0217
Magnadyne	0516, 0102, 0087
Magnafon	0516, 0102
Magnin	1907
Magnum	0648
Manesth	0264, 0235, 0217, 0320
Manhattan	0778
Marantz	0556, 0037
Marelli	0087
Mark	0037
Matsui	0037, 0487, 0036, 0579, 0035, 0072, 0217, 0371, 0516, 0011, 0208, 0355, 0009, 0177, 0235, 0443
Maxivideo	0792
Mediator	0037, 0012
Medion	0668, 1037, 0808
Memorex	1037, 0009

Remote Control

Basic remote control operations for other components

TV (Continued)

Maker	Setup codes
Memphis	0337
Metronic	0625
Metz	0275, 0746, 0087, 0447, 0367
MGA	1907
Micromaxx	0808
Microstar	0808
Minerva	0487, 0070
Minoka	0412
Mirror	1900
Mitsubishi	0036, 0108, 0087, 0512
Mivar	0292, 0216, 0609, 0516
MTC	0512, 0349
Multitech	0216, 0102, 0009
Myryad	0556
NEC	0704, 0170, 1704
Neckermann	0556, 0037, 0087, 0349, 0191
NEI	0037, 0337
Nikkai	0037, 0264, 0218, 0035, 0216, 0337, 0072
Noblisko	0102
Nokia	0548, 0606, 0361, 1912, 0480, 0631
Nordmende	0560, 0109
Oceanic	0361, 0163
Onwa	0433
Orion	0037, 0177, 0355, 0655, 0320, 0516, 0235, 0443
Osaki	0264, 0218, 0217, 0412, 0072
Oso	0218
Osume	0072
Otto Versand	0556, 0037, 0036, 0512, 0191, 0349, 0320, 0217
Palladium	0370, 0418
Panama	0264, 0217
Panasonic	0650, 0226, 0163, 1930, 0367, 1650, 0850
Pathe Cinema	0320, 0238, 0216
Pausa	0009
Penney	1907
Perdio	0320
Philco	0087
Philips	0556, 0037, 0087, 0374, 0012, 0193, 0721
Phoenix	0087
Phonola	0037, 0012, 0087
Pioneer	0760, 0163, 0109
Plus	0771
Polytron	0697
Prandoni-Prince	0516
Profex	0361, 0009
Protech	0037, 0668, 0264, 0009, 0217, 0418, 0102, 0337
Pye	0037, 0012
Quelle	0037, 0361, 0011, 0104, 0070, 0512
Questa	0036
R-Line	0037
Radiola	0037, 0012
Radiomarelli	0087, 0516
Rank Arena	0036
RBM	0070
RCA	1922, 1907
Rediffusion	0361

TV (Continued)

Maker	Setup codes
Reoc	0714
Revox	0037
Rex	0264, 0206, 0163, 0259
RFT	0087
Roadstar	0264, 0218, 0009, 0418
Saba	0109, 0087, 0335, 0163
Saccs	0238
Sagem	0610, 0830
Saisho	0264, 0011, 0009, 0235, 0177, 0516
Salora	0548, 0361, 0194, 0163, 0356, 0349
Sambers	0516, 0102
Samsung	0556, 0037, 0264, 0370, 0587, 0618, 0009, 0217, 0644, 0060
Sandra	0216
Sansui	0655
Sanyo	0036, 0104, 0735, 0011, 0072, 0339, 1907, 0045, 0208, 0799
SBR	0037, 0012, 0193
Schaub Lorenz	0361
Schneider	0037, 0668, 1137, 0218, 0371
SEG	0668, 1037, 0264, 0036, 0217
SEI	0177, 0102, 0087, 0516
Seleco	0206, 0163, 0411, 0259
Sentra	0035
Sharp	0036, 1193, 0818, 0093
Sialem	0516, 0102, 0087
Siemens	0037, 0195, 0191
Silver	0036
Singer	0087
Sinudyne	0087, 0235, 0177, 0102, 0516
Skantic	0356
Skysonic	0696
Solavox	0163
Sonitron	0208
Sonoko	0037, 0009
Sonolor	0163, 0208
Sontec	0037
Sony	1505, 0036, 0011, 0732, 0353, 1010, 0742, 1651
Soundwave	0037, 0418
Standard	0218, 0009, 0217
Stern	0163, 0259, 0206
Sunkai	0355
Susumu	0218
SVA	0587
Sysline	0037
T + A	0447
Tandy	0218, 0163, 0072, 0217
Tashiko	0036, 0217
Tatung	0037, 0217, 0072, 0516
TCM	0808
Teac	0037, 0698, 0712, 1949, 0721
Tec	0217
Technema	0320
Technics	0650
Telefunken	0625, 0335, 0109
Telemagic	0735
Telemeister	0320
Teletech	0009
Teleton	0036, 0349, 0217, 0206

TV (Continued)

Maker	Setup codes
Tensai	0218, 0320
Texet	0218, 0216
Thomson	0625, 0560, 0349, 0109
Thorn	0037, 0361, 0190, 0499, 0035, 0104, 0072, 0193, 0512
Tomashi	0282
Toshiba	0036, 0618, 0508, 0035, 1508, 0070, 0718
Triumph	0177, 0516
Uher	0320, 0206
Ultravox	0102
Universum	0037, 0264, 0370, 0104, 0346, 0492, 0421, 0105, 1901
Vestel	0037
Videotechnic	0217
Vision	0320
Voxson	0163, 0087
Wallis	0792
Waltham	0356, 0217
Watson	0037, 0320
Watt Radio	0102
Wega	0036, 0087
White Westinghouse	0037, 0216, 0320
Yoko	0037, 0264, 0217
Zanussi	0206

Video Projector

Maker	Setup codes
Barco	0479, 0410
Eiki	0735
GE	0735
JVC	0683
LG	0823
Maxivideo	0792
Plus	0771
Sanyo	0799, 0735
Sony	0742, 0732, 0353
Wallis	0792

TV/VCR Combination

Maker	Setup codes
Aiwa	1916
Daewoo	1909
Emerson	1909
GE	1907, 1922
Goodmans	1909
Hanimex	1908
Hinari	1908
LG	1934
Magnin	1907
MGA	1907
Nokia	1912
Panasonic	1930
Penney	1907
RCA	1922, 1907
Sanyo	1907

TV/DVD Combination

Maker	Setup codes
Bush	1037, 1900
Daewoo	1902
Goodmans	1900
Grundig	1935
Mirror	1900
Teac	0698, 1949

VCR

Maker	Setup codes
Aiwa	0348, 0000, 0307
Akai	0315, 0106, 0041
Alba	0278, 0315
Amstrad	0000
ASA	0081, 0037
Asuka	0037
Baird	0000, 0041
Bang & Olufsen	0499
Basic Line	0278
Blaupunkt	0226, 0034
Brandt	0320
Brandt Electronic	0041
Bush	0278
CGE	0000
Crown	0278
Cyrus	0081
Daewoo	0278, 0637, 0642, 0561
De Graaf	0042, 0166
Decca	0081, 0000
Denon	0042
Dual	0041
Dumont	0081, 0000, 0105
Emerson	0637, 0561
ESC	0278, 0240
Fast	0897
Ferguson	0320, 0041
Fidelity	0000
Finlandia	0081
Finlux	0081, 0000, 0042, 0105
Firstline	0037, 0045, 0043
Fisher	0047, 0046
Funai	0000
GEC	0081
GoldStar	0037
Goodmans	0278, 0637, 0037, 0000
Graetz	0041, 0240
Granada	0081, 0046
Grandin	0037, 0000
Grundig	0081, 0226, 0034, 0349, 0080, 0347
Hanseatic	0037
Hinari	0240
Hitachi	0000, 0042, 0240, 0041, 0166, 0105
Imperial	0000
Interfunk	0081
ITT	0384, 0106, 0041, 0240, 0046
ITV	0278, 0037
JVC	0384, 0067, 0041, 0008
Kendo	0106
Kenwood	0041
Lenco	0278
Loewe	0081, 1562, 0037, 0080, 0866

Remote Control

VCR (Continued)

Maker	Setup codes
Logik	0240
Luxor	0048, 0043, 0106, 0046
M Electronic	0000
Manesth	0045
Marantz	0081, 0146
Matsui	0348
Medion	0348
Memorex*	0037, 0000, 0046
Metronic	0081
Metz	1562, 0037, 0347
Mitsubishi	0081, 0067, 0043
Multitech	0000
Murphy	0000
Myryad	0081
NEC	0067, 0041
Neckermann	0081
Nokia	0106, 0046, 0041, 0240
Nordmende	0320, 0384, 0041
Oceanic	0000, 0041
Okano	0348, 0315
Orion	0348
Osaki	0037, 0000
Otto Versand	0081, 0080
Palladium	0037, 0041
Panasonic	1562, 0226
Pathe Marconi	0041
Pentax	0042, 0105
Perdio	0000
Philips	0081, 0384, 0080, 0146
Phonola	0081, 0080
Pioneer	0081, 0067
Profitronic	0240
Proline	0000
Pye	0081
Quartz	0046
Quelle	0081, 0080
Radiola	0081
Reoc	0348
Rex	0384, 0041
Roadstar	0278, 0037, 0240
Saba	0320, 0384, 0041
Salora	0043, 0106, 0046
Samsung	0432, 0240
Sansui	0067, 0041
Sanyo	0046
SBR	0081, 0080, 0146
Schaub Lorenz	0000, 0041
Schneider	0081, 0000, 0897
SEG	0240
SEI	0081
Seleco	0041
Sharp	0048, 0569
Siemens	0081, 0037, 0146
Silva	0037
Singer	0045
Sinudyne	0081
Sonoror	0046
Sontec	0037
Sony	0032, 0034, 0033, 1032
Sunkai	0348
Sunstar	0000
Suntronic	0000

VCR (Continued)

Maker	Setup codes
Tashiko	0000
Tatung	0081, 0000, 0041
Technics	0226
Teleavia	0041
Telefunken	0320, 0384, 0041
Tensai	0000
Thomson	0320, 0384, 0067, 0722, 0041
Thorn	0041
Tivo	0722
Toshiba	0081, 0384, 0045, 0043, 0041, 1008
Uher	0240
Universonum	0081, 0037, 0000, 0106, 0240
Videomagic	0037
Villain	0000
Wharfedale	0615
Yoko	0240

DVD player

Maker	Setup codes
Acoustic Solutions	0730
Afreey	0698
Aiwa	0641
Alba	0717
Amoisonic	0764
Amstrad	0713
Apex Digital	0795, 0672
Bush	0811, 0713, 0690
Cat	0789, 0787, 0786
Clatronic	0788
Clayton	0713
CyberHome	0714, 0816
Cytron	0716
Daewoo	0770, 0833, 0832
Dansai	0770
Decca	0770
Denon	0490, 0634
Denver	0778
DiViDo	0705
Enterprise	0591
Gamester	1030
GoldStar	0741
Goodmans	0790, 1004
GPX	0769
Greenhill	0717
Grundig	0539, 0695, 0775, 0705, 0701
H & B	0841, 0818
Harman/Kardon	0702
Himage	0518
Hitachi	0664
Hiteker	0672
HiMAX	0843
Jaton	0665
JMB	0695
Joytech	0776
JVC	0623, 0558
Kenwood	0490, 0737, 0534
Kiss	0841, 0665
Konka	0711
Lasonic	0743
Lecson	0696

DVD player (Continued)

Maker	Setup codes
Lenco	0774
Lenoxx	0819
LG	0741, 0591
Limit	0768
Logix	0783
Mebeteck	0562
Mediencom	0746
Metronic	0690
MiCO	0723
Minato	0752
Minowa	0712
Mirror	0752
Mitsubishi	0521
Monyka	0665
Mustek	0730
NAD	0692
Olidata	0672
Onkyo	0627
Optim	0747
Oritron	0651
Panasonic	0490, 1010
Philco	0690
Philips	0539, 0646
Pioneer	0571, 0525, 0631
Proline	0686
REC	0689
Redstar	0763, 0748
Remotec	0767
Reoc	0752
Revoy	0699
Roadstar	0689
Rotel	0623
Samsung	0573, 0744
Sanyo	0670
Schneider	0783
Schwaiger	0752
Scott	0718
Sharp	0630
Sherwood	0633
Shinco	0717
Skyworth	0766
SM Electronic	0730, 0690
Sony	0772, 1533, 1033
Tatung	0770, 0771
Teac	0759
Technics	0490
TerraTec	0825
Thomson	0551, 0522
Tokai	0665
Toshiba	0503, 1045
Tredex	0799, 0843
Umax	0531, 0690
Universum	0591
Wesder	0699
Wharfedale	0686, 0696
Xoro	0806
Xwave	0709
Yamada	1004
Yamakawa	0765, 0710, 0665
Yelo	0780

Game Player

Maker	Setup codes
Xbox	0522
Sony PlayStation2	0533

DVD player, MD recorder, CD player & TV operations

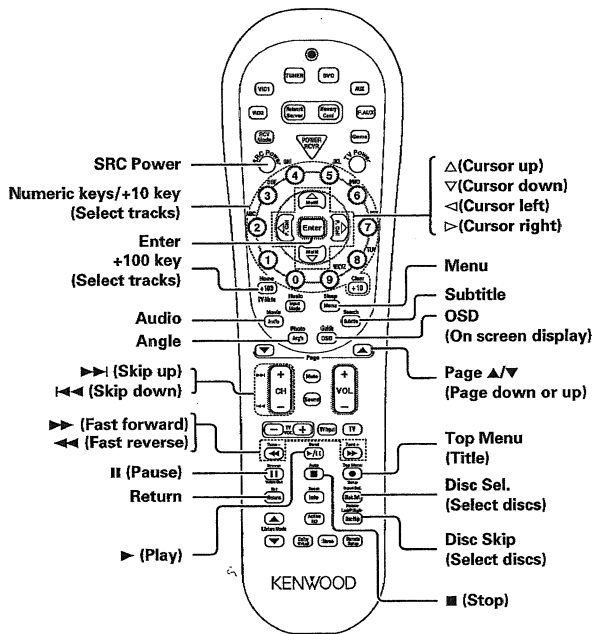
Refer to the following for the type of remote control operations available for each component.

- ① Select the input source.
- ② Press the keys corresponding to the operations you desire. Refer to the following sections for details.

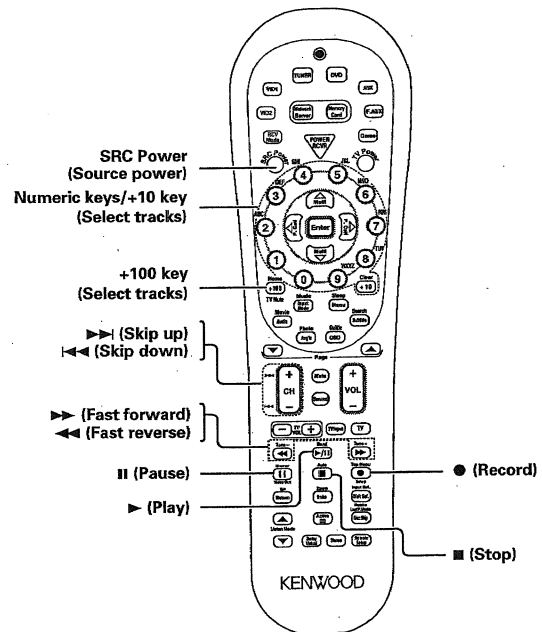
- When pressing keys in succession, press each key firmly and be sure to wait at least 1 second before pressing the next key.
- Numeric keys function the same as the numeric keys on the original remote.

These keys can be used to perform the basic operations of KENWOOD and other manufacturers' components which the setup code for each component had been entered beforehand. -[64]-[69]

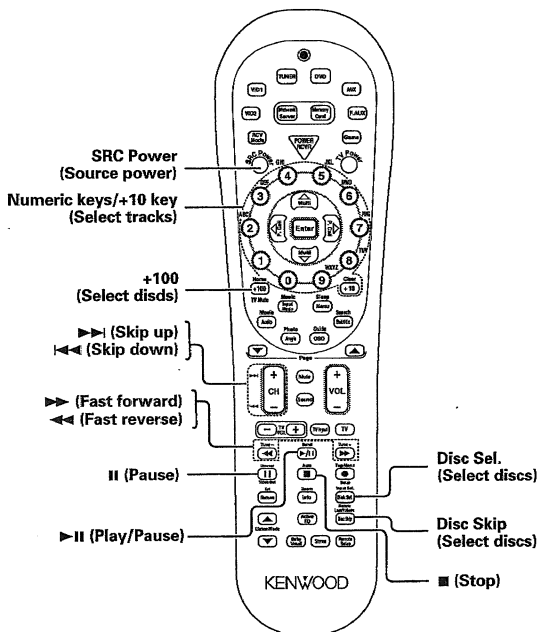
DVD player operation keys



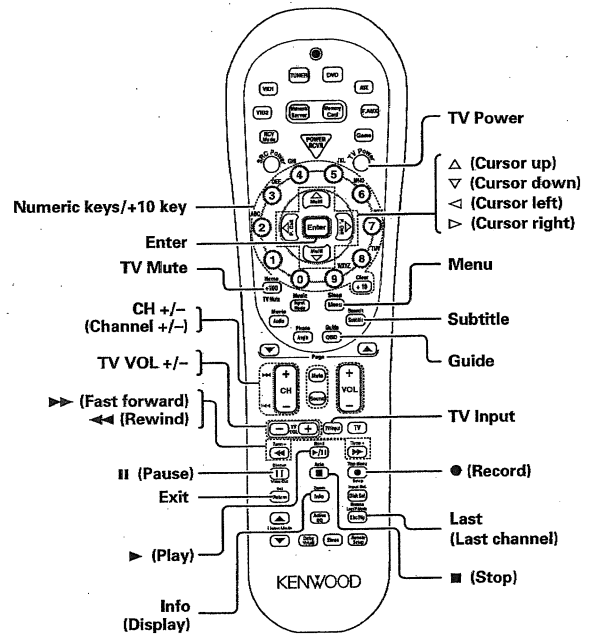
MD recorder operation keys (made by KENWOOD)



CD player operation keys



TV operation keys (including TVs incorporating VCR)



VCR, Satellite receiver & Cable converter operations

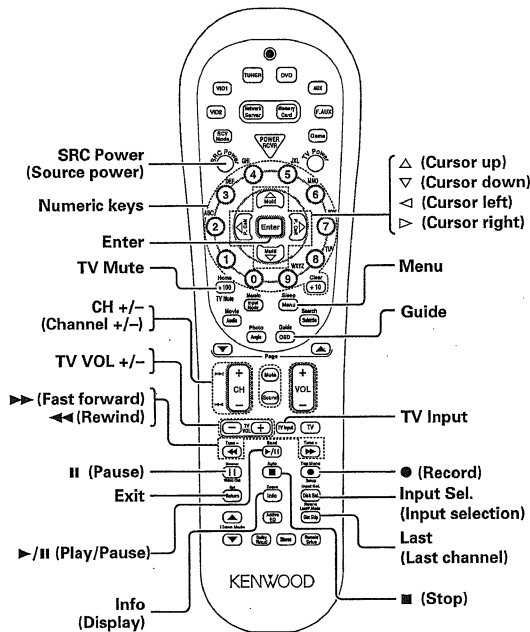
Refer to the following for the type of remote control operations available for each component.

- ❶ Select the input source.
- ❷ Press the keys corresponding to the operations you desire. Refer to the following sections for details.

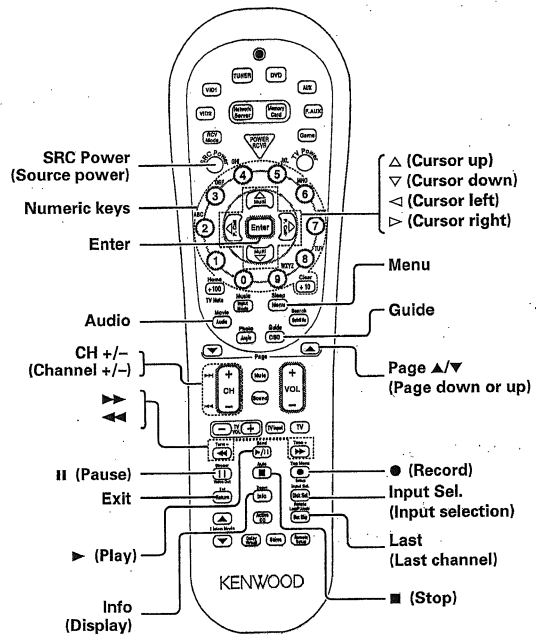
- When pressing keys in succession, press each key firmly and be sure to wait at least 1 second before pressing the next key.
- Numeric keys function the same as the numeric keys on the original remote.

These keys can be used to perform the basic operations of KENWOOD and other manufacturers' components which the setup code for each component had been entered beforehand. 64 69

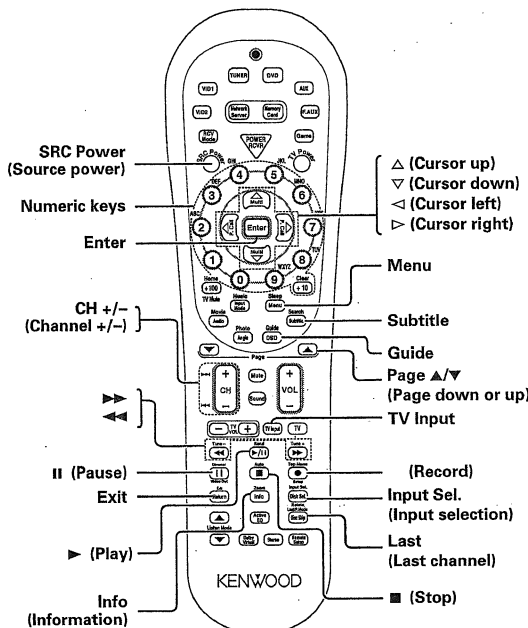
VCR operation keys



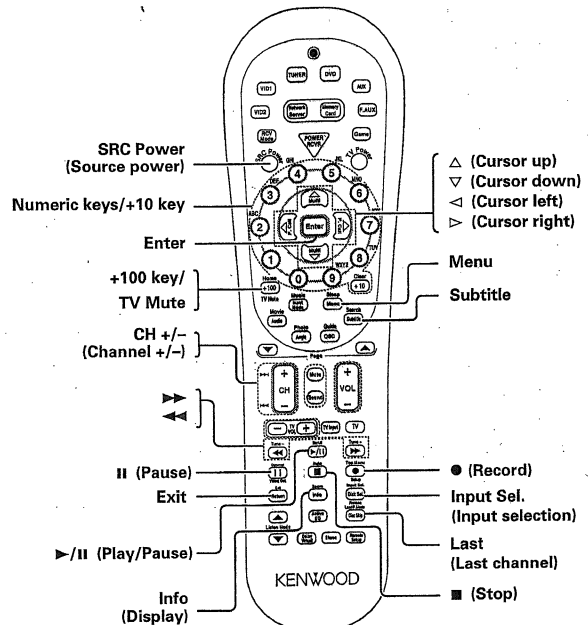
Satellite receiver operation keys



Cable converter operation keys



Sirius operation keys (made by KENWOOD)



Remote Control