

Use of the remote control RC4306

Note: For most buttons pressing a button once will activate the function. Pressing a second time will de-activate it. When a button enables multiple options, a small list will be shown. Press repeatedly to select the next item in the list. The list will be removed automatically after 6 seconds or press **OK** to remove immediately.

DVD/R CBL TV VCR AUX

Press the **Select** button repeatedly to select one of the system modes in which the remote control can be used. If no action is being undertaken within 2 seconds, the remote control returns to TV mode. After an action in the selected system mode the remote control will remain in this mode for 60 seconds and will then return to TV mode.

INFO Display information

Press to display (when available) information about the selected TV channel and program.

Menu/Remote control info

When a menu is on screen, press the **INFO** button to display info on the selected menu item. While the menu info is displayed, press any button (except the **MENU** or digit buttons) to display remote control info. The normal function of the button is not executed.



Audio and Video equipment buttons. See p. 21.

TV For direct selection of antenna input e.g. to easily swap between the HD input and your TV channels.

CC Closed Caption

On/Off/On during mute

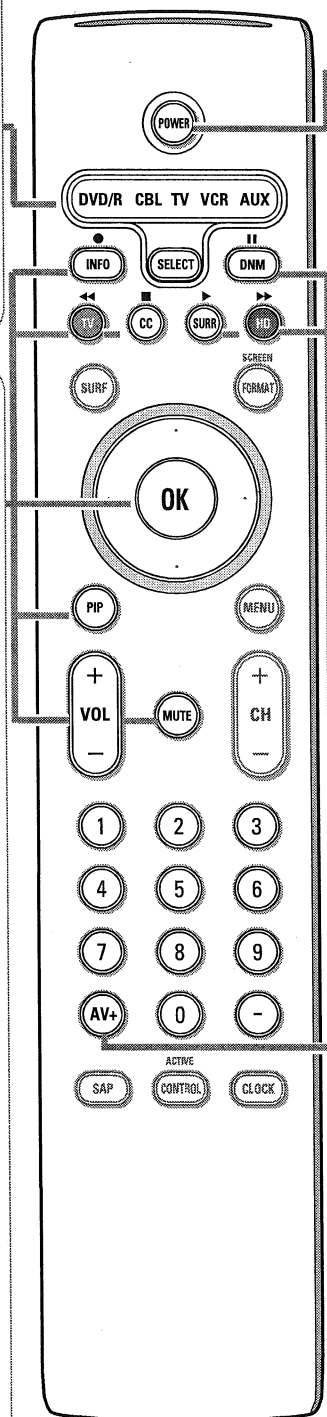
OK Press this button to activate your choice or to confirm when in the menus.

PIP no function

VOL Volume

Press + or - to adjust the volume.

MUTE Interrupt the sound or restore it.



POWER

Press to turn on/off the TV from or to standby mode.
The TV is never powered off completely unless it is physically unplugged.

DNM

Digital Natural Motion on/off

In the right part of the screen Digital natural motion is turned on. Keep the button pressed a bit longer to set the different modes for flicker reduction, motion compensation and resolution enhancement.

SURR Sound mode

Incredible surround

With stereo transmission, and when Incredible surround is selected, it seems as though the loudspeakers are spread further apart from one another.

Virtual Dolby Surround

Optimal with Dolby Surround signals. Enables you to experience the effect of Dolby Surround Pro Logic, reproducing a rear sound effect. See Sound menu, 3D Surround effect, p. 12.

Note: You can make the same selection in the Sound menu, Sound mode, p. 12.

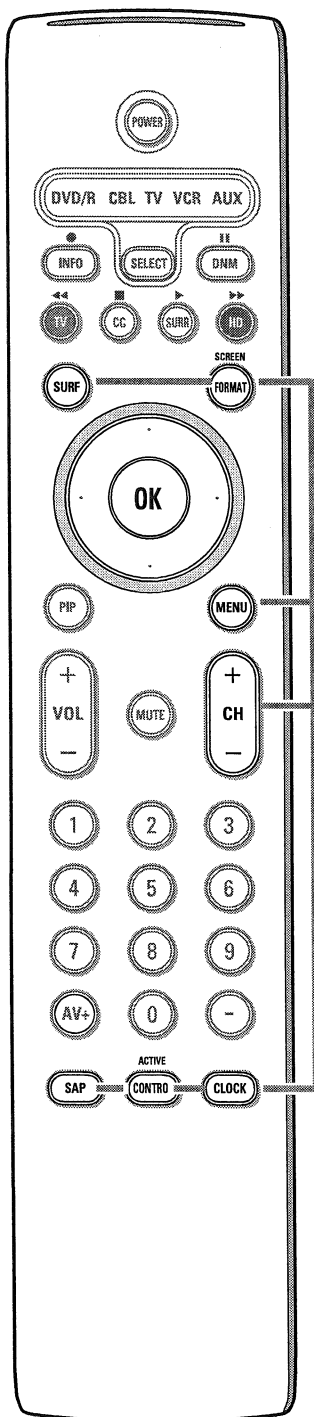
HD Press this button to use the remote control directly in the HD mode for HD devices (eg. Set Top box).

0/9 Digit buttons

To select a TV channel.
For a two digit program number, enter the second digit before the dash disappears. To switch immediately to a selected one digit TV channel, keep the digit button pressed a bit longer.

AV+ Keep this button pressed and then press repeatedly to select **AV1**, **AV2**, **AV3 (HDMI)**, **SIDE** or **TV channels** when in TV mode, according to where you connected the accessory devices (p. 20).

- To type the dot (.) for digital channels.



SURF

With this feature you can easily switch between different TV channels/sources that currently interest you. In the menu system, you can set surf to two- or nine-channel. (See Settings, General, Surf, p. 6.)

Press this button to select the previously viewed TV channel or source in case of a Two channel surf, or to select the surf ring in case of a Nine channel surf.

In case of a Nine channel surf, a list appears at the right side of the screen. On top, the most recently channel is displayed. The puck is on the channel number or source currently viewed.

Press the **SURF** button to turn to the next channel or source in the list or press cursor up/down to immediately select the desired TV channel or source of the list.

To add a new channel or source to the 9 channels list: tune to the channel or source you wish to add.

Press the **SURF** button. Press the cursor right to add.

If there are already nine channels/sources in the list, the one at the bottom of the list will be removed.

To remove a channel or source: select the channel number you want to remove.

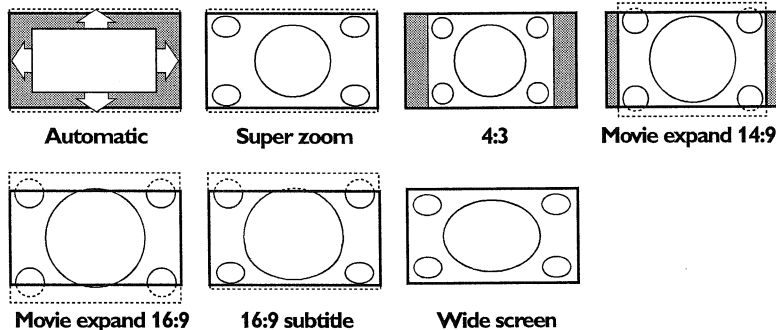
Press the **SURF** button. Press the cursor right to remove.

Press the **OK** button or wait for the time out to dismiss the Surf display.

SCREEN FORMAT

Press this button to summon a list of available display formats for showing video images in the traditional 4:3 proportions.

Press this button repeatedly or press the cursor up/down to select another picture format: Automatic, Super zoom, 4:3, Movie expand 14:9, Movie expand 16:9, 16:9 subtitle or Wide screen.



Automatic makes the picture fill the screen as much as possible.

Super zoom removes the black bars on the sides of 4:3 programs with minimal distortion.

When in Movie expand 14:9, Movie expand 16:9 or Super zoom picture format, you can make subtitles visible with the cursor up/down.

*Note: in HDMI mode press the **SCREEN FORMAT** button to switch between a 4:3, 16:9 or a Wide screen picture format.*

MENU Main menu on/off. See p. 5.

CH Channel selection

To browse through the TV channels or sources stored.

SAP When you tune a channels where SAP (Second Audio Program) is available, you can toggle between Main and sap. If not available only Main can be selected.

ACTIVE CONTROL See p. 11.

CLOCK Time display

Setting the remote control to work accessory devices

Your remote control is set to work your TV and many infrared remote (IR) control VCRs, Cable TV Converter Boxes, DVD players, Satellite Receivers, etc.

Press the **Select** button repeatedly to select **DVD/R**, **CBL**, **VCR** or **AUX** according to the accessory device you want to operate with this remote control. See Use of the Remote control, p. 3. Press the **POWER** button.

If the function buttons on the remote control also work the selected accessory device, then the remote is ready and no further steps are needed.

If the function buttons do not work with the selected accessory device, according to the device(s) you own, you may make your remote control ready for them by a direct entry code. Proceed as following.

Code setup

- ❶ Press the **Select** and **POWER** buttons at the same time, then release.
- ❷ **NOTE:** When inputting the digits as described below, you must not allow more than 20 seconds to pass between the input of each digit or you will need to return to step 1 and begin the programming process again.
Input the appropriate digit provided below for the type of accessory device you want to operate:
1 DVD/R
2 CBL (HD-STB)
3 CBL-SAT
4 VCR
5 AUX (AMP, CD).
- ❸ Input the 4-digit code for the type and brand of accessory device. The codes are listed on pages 23-24.
- ❹ The green light behind the **POWER** button will blink for 3 seconds to show that a valid code was input.
If a valid code was not entered, the light will stay on continuously for 3 seconds. If that occurs, go back to step 1 and begin the programming process again.
- ❺ Now you will try to use the TV remote with the accessory device. Press the **Select** button on the remote to cycle across the accessory mode dial. Stop pressing the button when the mode you desire is lighted. The light will stay on for 2 seconds and then begin blinking. The blinking means that the remote is in the accessory mode you have selected.
- ❻ Within 60 seconds from the time the blinking starts, point the remote toward the accessory device and press the **POWER** button. If the device does not respond to the **POWER** command, follow the steps for programming the remote again using a different setup code for the type and brand of accessory device you wish to operate. Refer again to the code list on pages 23-24. If no more codes are listed for the type and brand of accessory device, the remote likely will not operate your particular model of accessory device.

Notes:

- Your TV remote is not necessarily capable of being programmed to operate all models of the brands of accessory devices listed on pages 23-24. You may want to try the programming process again. Try using the number(s) that are listed for your type and brand of device to be sure you did not make a mistake in inputting the digits during your first attempt at programming.
- If the remote control is in one of the accessory modes (a mode light is flashing) — DVD/R, CBL, SAT, VCR or AUX — and you don't press any of the remote buttons for sixty seconds, a "time-out" occurs, returning the remote to TV mode.

Remote Control Direct Entry Codes for Accessory Devices

Amplifier

Carver	0296
Curtis Mathes	0327
GE	0105
JVC	0358
Linn	0296
Magnavox	0296
Marantz	0296
Optimus	0422, 0327
Philips	0296
Pioneer	0327
Polk Audio	0296
RCA	0327
Realistic	0422
Sony	0716, 0247
Soundesign	0105
Victor	0358
Wards	0105
Yamaha	0381

Cable Box

ABC	0030, 0034, 0035
Allegro	0180, 0342
Americast	0926
Archer	0180, 0824
BellSouth	0926
Century	0180
Citizen	0180, 0342
Comtronics	0067
Contec	0046
Emerson	0824
Everquest	0042, 0067
Focus	0427
Garrard	0180
Gemini	0042
General Instrument	0503, 0837
GoldStar	0067, 0171
Goodmind	0824
Hamlin	0047, 0036, 0286, 0061
Hytex	0034
Jasco	0042, 0180, 0342
Jerrold	0030, 0039, 0503, 0042, 0837
Memorex	0027
Motorola	1133
Movie Time	0090
NSC	0090
Oak	0046, 0034
Optimus	0048
Panasonic	0048, 0134, 0027
Paragon	0027
Philips	0180, 0332, 0344
Pioneer	0171, 0560, 0904
Popular Mechanics	0427
Pulsar	0027
Quasar	0027
RCA	0048
Radio Shack	0042, 0910, 0342, 0824
Recoton	0427
Regal	0047, 0286
Runco	0027
SL Marx	0067
Samsung	0067, 0171
Scientific Atlanta	0035, 0504, 0904
Signal	0042, 0067
Sprucer	0048
Starcom	0030, 0042
Stargate	0067, 0042, 0824
Starquest	0042
TV86	0090

Teleview	0067
Tocom	0039
Toshiba	0027
Tusa	0042
Unika	0180
United Artists	0034
Universal	0180, 0218
Viewstar	0090
Zenith	0027, 0552, 0926
Zentek	0427

Surround Sound Receiver

ADC	0558
Aiwa	0148
Capetronic	0558
Carver	0069, 1116, 1216
Casio	0222
Clarinet	0222
Denon	1187, 1131
Fisher	0069
Garrard	0490
Harman/Kardon	0137
JVC	0101
Kenwood	1054, 0069, 0213, 1340, 1596, 1597
Lloyd's	0222
MCS	0066
Magnavox	0418, 1116, 0558, 1216, 0222
Marantz	1116, 1216, 0066
Modulaire	0222
Nakamichi	0124
Onkyo	0162
Optimus	1050, 0213, 0558, 0069
Panasonic	0066, 1545
Penney	0222
Philips	1116, 1216, 1296, 0418
Pioneer	0177, 0558, 1050
Proscan	1281
Quasar	0066
RCA	1281, 0558, 1050
Realistic	0222
Sansui	1116
Sharp	0213
Sherwood	0529
Sony	1185, 1085, 1285
Sunfire	1340
Teac	0490
Technics	0066, 1335, 1545, 1336
Thorens	1216
Victor	0101
Yamaha	0203, 0213, 1203
Yorx	0222

Satellite Receiver

AlphaStar	0799
Echostar	1032, 0802
Expressvu	0802
GE	0593
General Instrument	0388, 0896, 0654
HTS	0802
Hitachi	0846
Hughes Network Systems	0776
JVC	0802
Jerrold	0388, 0654
Magnavox	0749, 0751
Memorex	0751
Next Level	0896
Panasonic	0728
Philips	1103, 0749, 0751

Primestar	0654, 0388
RCA	0593, 0170, 0419, 0882
Radio Shack	0896
Samsung	1136
Sony	0666
Star Choice	0896
Toshiba	0776, 0817
Uniden	0751, 0749
Zenith	0883

VCR

Admiral	0075, 0236
Adventura	0027
Aiko	0305
Aiwa	0027, 0064
Akai	0068
America Action	0305
American High	0062
Asha	0267
Audiovox	0064
Beaumarck	0267
Bell & Howell	0131
Broksonic	0148, 0211, 0029, 0236, 0506
CCE	0099, 0305
Calix	0064
Canon	0062
Carver	0108
Cineral	0305
Citizen	0305, 0064
Colt	0099
Craig	0064, 0099, 0074, 0267, 0298
Curtis Mathes	0062, 0068, 0087, 0189, 0787
Cybernex	0267
Daewoo	0305, 0072
Denon	0069
Dynatech	0027
Electrohome	0064
Electrohome	0064
Emerex	0059
Emerson	0211, 0029, 0236, 0305, 0148, 0506, 0027, 0064, 0070
Fisher	0074, 0131
Fuji	0062
Funai	0027
GE	0062, 0087, 0075, 0267, 0787
Garrard	0027
Go Video	0459, 0553
GoldStar	0064, 0065
Gradiente	0027
HI-Q	0074
Harley Davidson	0027
Harman/Kardon	0065, 0108
Harwood	0099
Hitachi	0069, 0027, 0068
Hughes Network Systems	0069
JVC	0094, 0068
Jensen	0068
KEC	0064, 0305
KLH	0099
Kenwood	0068, 0094, 0065
Kodak	0062, 0064
LXI	0064
Lloyd's	0027
Logik	0099
MEI	0062
MGA	0070, 0267
MGN Technology	0267

Remote Control Direct Entry Codes for Accessory Devices

VCR (continued)

MTC	0027, 0267
Magnasonic	0305
Magnavox	0062, 0108, 0027, 0066, 0176
Magnin	0267
Marantz	0108, 0062
Marta	0064
Matsushita	0062, 0189
Memorex	0131, 0074, 0506, 0027
.....	0064, 0075, 0062, 0267
.....	0066, 0189, 0236, 1189
Minolta	0069
Mitsubishi	0070, 0075, 0094
Motorola	0062, 0075
Multitech	0027, 0099
NEC	0065, 0068, 0094, 0131
Nikko	0064
Noblex	0267
Olympus	0062
Optimus	0189, 1189, 0075, 0064,
.....	0131, 0459
Orion	0506, 0029, 0211, 0236
Panasonic	0062, 0189, 1189, 0643
Penney	0062, 0267, 0064, 0069, 0065
Pentax	0069
Philco	0062, 0236, 0506
Philips	0108, 0062, 0645
Pilot	0064
Pioneer	0094
Polk Audio	0108
Profitronic	0267
Proscan	0087, 0787
Protec	0099
Pulsar	0066
Quasar	0062, 0189, 1189
RCA	0087, 0176, 0069, 0062,
.....	0075, 0267, 0787
Radio Shack	0027
Radix	0064
Randex	0064

Realistic	0027, 0131, 0074, 0075,
.....	0064, 0062
ReplayTV	0641, 0643
Runco	0066
STS	0069
Samsung	0072, 0267
Sanky	0066, 0075
Sansui	0068, 0506, 0027, 0094, 0236, 0298
Sanyo	0074, 0131, 0267
Scott	0211, 0148, 0070, 0072
Sears	0064, 0069, 0027, 0062,
.....	0074, 0131
Semp	0072
Sharp	0075
Shintom	0099
Shogun	0267
Singer	0099
Sony	0059, 0027, 0062, 0063
Sylvania	0062, 0108, 0027, 0070
Symphonic	0027
TMK	0267
Tatung	0068
Teac	0027, 0068
Technics	0062, 0189
Teknika	0027, 0062, 0064
Thomas	0027
Tivo	0645, 0663
Toshiba	0072, 0070
Totevision	0064, 0267
Unitech	0267
Vector	0072
Vector Research	0065
Video Concepts	0072
Videosonic	0267
Wards	0062, 0087, 0027, 0074,
.....	0267, 0069, 0075, 0099
.....	0108, 0176, 0787
White Westinghouse	0099, 0305, 0236
XR-1000	0099, 0027, 0062
Yamaha	0065
Zenith	0066, 0027, 0236, 0506

Digital Video Disc (DVD)

Apex	0699
Denon	0517
Fisher	0697
GE	0549
Hitachi	0691
Hiteker	0699
JVC	0650, 0585
Kenwood	0709, 0561
Konka	0746, 0738, 0747, 0748
Magnavox	0530, 0702
Marantz	0566
Mitsubishi	0548
Onkyo	0530
Optimus	0598
Oritron	0678
Panasonic	0517, 0659
Philips	0566, 0530
Pioneer	0598, 0552, 0659
Proscan	0549
RCA	0549, 0598
Samsung	0600
Sharp	0657
Sony	0560
Technics	0517
Theta Digita	0598
Toshiba	0530
Yamaha	0517, 0572
Zenith	0618, 0530

Regulatory Notices - Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 to correct the interference by one or more of the following measures:

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

Modifications -

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Philips Consumer Electronics may void the user's authority to operate the equipment.

Cables -

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canadian notice -

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien -

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.