

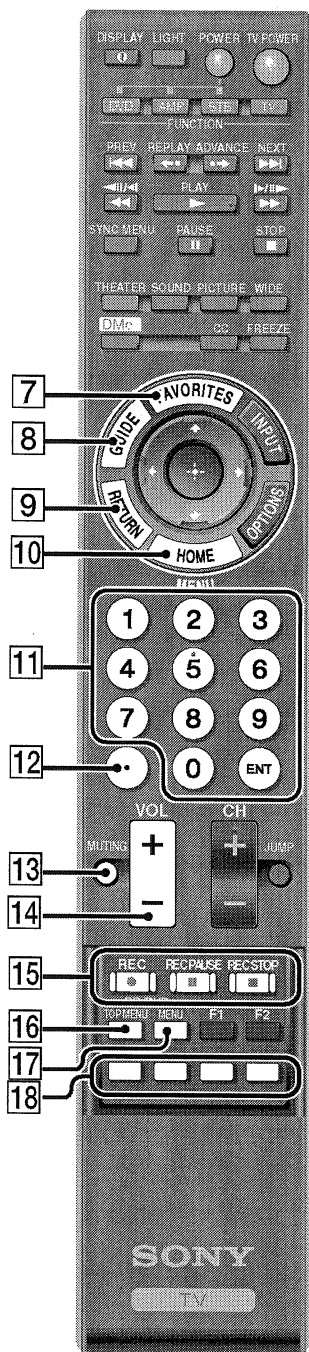
Remote Control Button Description



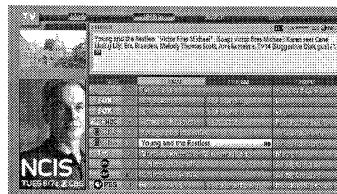
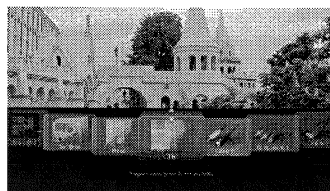
- The 5, **PLAY** and **CH+** buttons have a tactile dot. Use them as a reference when operating the TV.

Button	Description
1 DISPLAY	Press once to display the banner with channel/program information you are watching. The banner will time out in about 10 seconds or press again to exit. You can select the banner size based on the amount of information. See Info Banner on page 51.
2 LIGHT	Press to light up the remote control buttons. The FUNCTION button indicator light will light up in red for the device mode the remote control is operating and other buttons will light up in blue (see page 25).
3 FUNCTION Buttons	The FUNCTION button indicator lights up momentarily when pressed to show which external equipment the remote control is operating. These buttons can be programmed to operate external equipment. You must first press one of these FUNCTION buttons to operate the corresponding equipment. See page 25 for "Programming the Remote Control".
4 Equipment Control/ BRAVIA Sync	The buttons listed below can operate video equipment programmed to the DVD, AMP, or STB FUNCTION buttons of the remote control. When the TV FUNCTION button is selected, the buttons can also be used to control the connected equipment with the Control for HDMI function (not available on all Control for HDMI equipment). ◀◀ PREVIOUS: Press to replay the current program from the previous chapter mark (if any) or from the beginning of the live TV cache. ◀◀•REPLAY: Press to replay the current program for a set period of time. •→ ADVANCE: Press to advance forward a set period of time when playing back a recorded program. ▶▶ NEXT: Press to advance forward to the next chapter mark (if any) or to live TV when playing back a recorded program. ◀◀ (fast reverse): Press to play a program in fast rewind mode. ▶▶ PLAY: Press to play a program at a normal speed. ▶▶ (fast forward): Press to play a program in fast forward mode. ⏸ PAUSE: Press to pause playback. ■ STOP: Press to stop playback. SYNC MENU: Press once to display the Sync'd HDMI Devices (while a Control for HDMI device is not selected). Select the HDMI device and then press SYNC MENU to display the menu of connected equipment (not available on all Control for HDMI equipment). THEATER: Press to turn on and off the Theater Mode. The picture settings will be set for a cinema-like experience and the audio will be switched to the audio output of the attached speakers of your BRAVIA Sync audio system. Your BRAVIA Sync audio system must be connected by an HDMI connection to your TV (see page 36 for details).
5 SOUND	Press to cycle through different sound settings: Dynamic , Standard , Clear Voice . The sound modes can also be accessed in the Sound settings. For details, see Sound settings on page 43.
6 DMe^x	Press to access features in the optional BRAVIA external module (e.g. DMX-NV1). See your dealer or www.sony.com/bravia for more information. The module may not be available in all regions.

(Continued)



Button	Description
7 FAVORITES	Press once to display the Favorites menu. Press again to exit from the Favorites menu. See page 28 for detailed information.
8 GUIDE	Press to open the TV Guide On Screen system. Press again to exit the Guide. For instructions on using a specific menu, see "How to Use TV Guide On Screen" on page 34.
9 RETURN	Press to go back to the previous screen or exit from the screen when displaying menu items and settings.
10 HOME	Press to display the TV Home Menu/XMB™ to access the TV Home Menu items such as the TV Settings , Photo , Music , TV channels and External Inputs list (see pages 5 and 38).
11 0-9 ENT	Press 0-9 to select a channel; the channel changes after two seconds. Press ENT to change channels immediately.
12	Use with 0-9 and ENT to select digital channels. For example, to enter 2.1, press 2 , . , 1 and ENT .
13 MUTE	Press to mute the sound. Press again or press VOL + to restore the sound.
14 VOL +/-	Press to adjust the volume.
15 DVR/VCR Record Buttons	● REC: Press to record. Pressing this button alone starts the recording process. ■ REC PAUSE: Press to pause recording. ■ REC STOP: Press to stop recording.
16 BD/DVD TOP MENU	Press to display the top menu of the BD/DVD disc.
17 BD/DVD MENU	Press to display the BD/DVD disc menu. • For more information, refer to the operating manual of the connected equipment.
18 Red, Green, Blue, Yellow	To use with Sony Blu-ray player (BD) see chart on page 26.





Button	Description
19 TV POWER	Press to turn on and off the TV.
20 POWER	Press to turn on and off the external equipment selected by FUNCTION buttons.
21 WIDE	Press repeatedly to cycle through the available Wide Mode settings: Wide Zoom , Normal , Full , H Stretch , Zoom . The Wide Mode settings can be also accessed in the Screen settings (see pages 44 and 45).

Changing the Wide Screen Mode

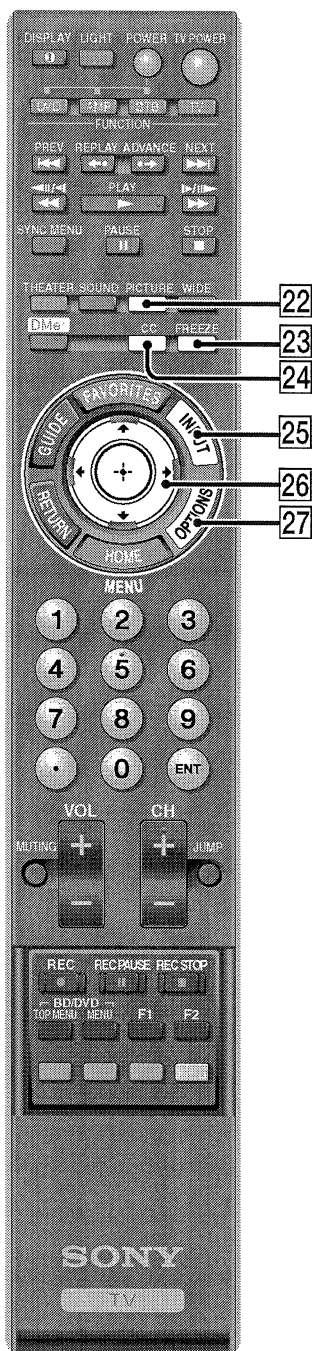
4:3 Original source Standard-definition source	16:9 Original source High-definition source
↓	↓
Wide Zoom 	Wide Zoom
Normal 	Normal This mode is not available.
Full 	Full
H Stretch This mode is not available.	H Stretch
Zoom 	Zoom



- **Normal** is available with 480i or 480p sources only.
- **H Stretch** is only available with 720p, 1080i, 1080p and 1080/24p sources.

Changing the Wide Screen Mode for PC Timing

Incoming PC signal 800 × 600	Incoming PC signal 1,280 × 768
↓	↓
Normal 	Normal
Full 1 	Full 1
Full 2 	Full 2



Button	Description																																				
22 PICTURE	Press repeatedly to cycle through the available picture modes: Vivid, Standard, Cinema, Custom, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom, Video, Text. (Available options depend on the current mode.) The picture modes can also be accessed in the Picture settings. For details, see Picture settings on page 41.																																				
23 FREEZE	Press once to display a frozen image with the current program in a window. Press again to fill the screen with the frozen image. Press a third time to return to the current program. Press the ▲/▼/◀/▶ to move the small window showing current program to a different location on the screen. • With the Freeze feature active, some features are unavailable. • While the Freeze feature is active, pressing HOME will deactivate Freeze and display the XMB™.																																				
24 CC	Press to cycle through the available settings for Closed Captions (CC): On, Off, and On with Muting.																																				
25 INPUT	Press to display the list of External Inputs and TV mode. Press repeatedly to toggle through the inputs. • See page 50 on setting up the External Inputs labels.																																				
26 ▲/▼/◀/▶	Press ▲/▼/◀/▶ to move focus/highlight. Press + to select/confirm an item.																																				
27 OPTIONS	Press to display a list of convenient functions and menu shortcuts. The OPTIONS menu items vary based on current input and content. <table> <tr> <th>Menu Item</th><th>Reference Page</th></tr> <tr> <td>Picture Adjustments</td><td>See page 41</td></tr> <tr> <td>Sound Adjustments</td><td>See page 43</td></tr> <tr> <td>P&P or PIP</td><td>See page 37</td></tr> <tr> <td>Exit P&P or Exit PIP</td><td>See page 37</td></tr> <tr> <td>Speakers</td><td>See page 44</td></tr> <tr> <td>Audio Swap</td><td>See page 37</td></tr> <tr> <td>Screen</td><td>See page 45</td></tr> <tr> <td>Add to Favorites/Remove from Favorites</td><td>See page 28</td></tr> <tr> <td>MTS</td><td>See page 44</td></tr> <tr> <td>Alternate Audio</td><td>See page 44</td></tr> <tr> <td>Digital Rating</td><td>See page 48</td></tr> <tr> <td>Background TV</td><td>See page 29</td></tr> <tr> <td>Motion Enhancer</td><td>See page 42</td></tr> <tr> <td>Device Control</td><td>See page 50</td></tr> <tr> <td>Device Control (Menu) for DMPort</td><td>See page 36</td></tr> <tr> <td>Photo</td><td>See page 30</td></tr> <tr> <td>Music</td><td>See page 32</td></tr> </table> • The Digital Rating and Alternate Audio options will appear in Options only when digital ratings or alternate audio streams are available in the currently tuned digital program.	Menu Item	Reference Page	Picture Adjustments	See page 41	Sound Adjustments	See page 43	P&P or PIP	See page 37	Exit P&P or Exit PIP	See page 37	Speakers	See page 44	Audio Swap	See page 37	Screen	See page 45	Add to Favorites/Remove from Favorites	See page 28	MTS	See page 44	Alternate Audio	See page 44	Digital Rating	See page 48	Background TV	See page 29	Motion Enhancer	See page 42	Device Control	See page 50	Device Control (Menu) for DMPort	See page 36	Photo	See page 30	Music	See page 32
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Button	Description
28 JUMP	Press to jump back and forth between two channels. The TV alternates between the current channel and the last channel that was selected.
29 CH +/-	Press to scan through channels. To scan quickly through channels, press and hold down either +/-.
30 F1/F2	Press to select the function of connected components. For details, see "Using Other Equipment with Your Remote Control" on page 27.

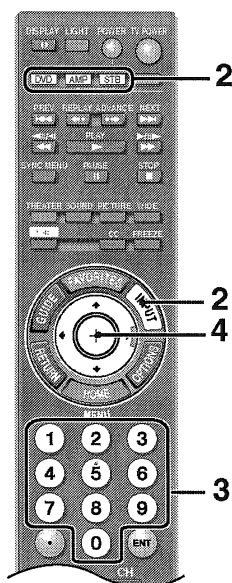


Programming the Remote Control

The remote control can be programmed to operate other equipment and is pre-programmed to operate the following Sony equipment.

Function Button	Sony Equipment	Code Number
DVD	DVD Player	31033
AMP	Receiver	52172
STB	Digital Satellite	01639

Programming Other Equipment



Follow the steps below to program your TV remote control.

- 1 Find the code that corresponds to your equipment from page 26. If more than one code is provided, try programming the first code listed.
- 2 Press and hold **DVD**, **AMP** or **STB** simultaneously with the **INPUT** button and release. When in the programming mode, the **FUNCTION** button blinks for approximately 30 seconds until a code is entered.
- 3 Enter the five digit code using **0-9**. while the **FUNCTION** button is lit. If the code is not entered within 30 seconds, you must repeat step 2.
- 4 Press **+** or **ENT** to confirm the code. If successfully programmed, the **FUNCTION** button blinks twice; if not, it blinks five times.



- Any of the **FUNCTION** buttons can be programmed to operate other equipment regardless of the labeling. For example, **DVD** can be programmed to operate a Blu-ray player.

Confirm the Programming

If you can turn your equipment on and off using the green **POWER** button, the programming is complete. If not, try the next code listed.



- In some cases, you may not be able to program your remote control. If this is the case, use your equipment's own remote control.

Auto Backlight

The backlight can be set to light up when a button is pressed.

To set backlight:

Press **LIGHT** and **MUTING** simultaneously until the four **FUNCTION** buttons blink red.

To turn off backlight:

Press **LIGHT** and **MUTING** until the **TV** button blinks red.

Backlight Time Out

The remote control can be set to remain lit longer than the default time setting of approximately five seconds with the **FUNCTION** buttons.

To change backlight time setting:

- 1 Press **LIGHT**, **VOL+**, and then **CH+** simultaneously until the **FUNCTION** button blinks red.
- 2 Select the **FUNCTION** button that corresponds to your preferred time out setting and press **+**.

DVD 5 seconds (default)	AMP 10 seconds
STB 15 seconds	TV 20 seconds

Reset the Remote Control

To reset the remote control to the factory default settings, press **SOUND**, **TV POWER**, and then **+**. The **FUNCTION** buttons blink red simultaneously when successfully reset.

Manufacturer's Code List

If your equipment's code is not listed, visit <http://esupport.sony.com/remotecodes> for a more comprehensive list.

Sony Equipment Codes

Sony Equipment	Programmable Code Number
AV Receiver	52172
Blu-ray Disc Player	41516, 42178, 42180
Cable - Digital	02177
DVD AV System	51622, 51558, 51658, 51858
DVD Changers	31633
DVD Player	31033, 31069, 31070
DVD/HDD Combo Player	31033, 31069, 31070
DVD/VCR Combo Player	30864
DVR /HDD Player	22181, 22182, 22183
Satellite	01639
VCR	21232, 21546, 22184

Other Manufacturer Equipment Codes

HD Blu-ray Players

Manufacturer	Code
LG	40741
Panasonic	41641
Philips	42084
Pioneer	40142
Samsung	40199

DVD Player

Manufacturer	Code
Coby	30778, 30852, 31077, 31086, 31107, 31165, 31177, 31351, 31628
Cyberhome	30816, 30874, 31023, 31024, 31117, 31129, 31502, 31537
GPX	30699, 30769
JVC	30558, 30623, 30867, 31164, 31550, 31602
Koss	30651, 30769, 30896, 31061, 31423
Memorex	30695, 30831, 31270
Panasonic	30490, 30503, 30571, 30703, 31762
Philips	30503, 30539, 30646, 30675, 31267, 31354, 32056
RCA	30522, 30571, 30717, 30790, 30822, 31022
Samsung	30490, 30573, 30744, 31044, 31075, 31470
Sylvania	30675, 31268
Toshiba	30503, 30539, 30573, 30695, 31154, 31503, 31588, 31608, 31854

DVD Changers

Manufacturer	Code
Sylvania	30675
Techwood	30692
Toshiba	30503, 31154
Yamaha	30497, 30545
Zenith	30741

DVD Recorder

Manufacturer	Code
Cyberhome	31129, 31502
JVC	31164
LG	30741
Lite-On	31158, 31416, 31440
Panasonic	30490
Philips	30646
Samsung	30490, 31470
Sylvania	30675
Toshiba	31588

DVD/VCR Combo Units

Manufacturer	Code
JVC	30867, 31164, 31550, 31602
Broksonic	30695, 31419
Panasonic	31762
Toshiba	30503, 31854
Zenith	30741, 30869

VCR's

Manufacturer	Code
Daewoo	20037, 20045, 20046, 20278, 21137
JVC	20041, 20067, 21162
Panasonic	20000, 20035, 20162, 20225, 20226, 20614, 20616, 21062, 21162, 21262
Philips	20000, 20035, 20045, 20048, 20081, 20162, 20209, 20616, 20618, 20739, 21081, 21181
Sylvania	20000, 20035, 20043, 20081, 20593, 21593

A/V Receiver/Home Theater Systems

Manufacturer	Code
Audiovox	30790, 51390
Bose	50674, 51229, 51933
Denon	50121, 51142, 51306, 51360, 52857
Emerson	50531
JVC	50331, 51495
Koss	30651
LG	51293
Onkyo	51298, 51320, 51805
Panasonic	50308, 51288, 51308, 51316, 51548, 51633, 51763, 51764
Philips	31267, 51189, 51266, 51269
Pioneer	50150, 50531, 50630, 50823, 51023, 51384
RCA	30790, 50531, 50823, 51023, 51254, 51390, 51511, 51609
Samsung	51295, 51500
Sherwood	31077, 51077, 51517, 51653
Yamaha	30497, 50176, 50354, 51023, 51276, 51331, 51376, 51815
Zenith	51293

Digital Video Recorders

Manufacturer	Code
TiVo	01442, 01443, 01444, 20618, 20636, 20739

Satellite

Manufacturer	Code
DirecTV	00099, 00247, 00392, 00566, 00639, 00749, 00819, 01076, 01108, 01109, 01142, 01377, 01392, 01414, 01442, 01442, 01443, 01444, 01609, 01639, 01640, 01749, 01856, 20739
Dish Network System	00775, 01170, 01505, 01775
Echostar	00775, 01170, 01505, 01775
Funai	01377
GE	00392, 00566
Hitachi	00749, 00819, 01250
Hughes	00749, 01142, 01443, 01444, 01749, 20739
Humax	01790, 20739, 21797, 21988
JVC	00775, 01170, 01775
LG	01226, 01414, 22010
Panasonic	00247, 00701, 20614, 20616
Philips	00099, 00722, 00749, 00775, 00819, 01076, 01142, 01749, 20618, 20739
RCA	00143, 00392, 00566, 00775, 00855, 01142, 01392, 01442, 20880
Samsung	01108, 01109, 01142, 01276, 01377, 01442, 01609, 20739
TiVo	01442, 01443, 01444, 20618, 20636, 20739

Cable Box

Manufacturer	Code
Jerrold/General Inst./Motorola	00003, 00276, 00476, 00810, 01187, 01254, 01376
Pace	00008, 00237, 00877, 01877
Panasonic	00000, 00008, 00107, 00144
Pioneer	00144, 00533, 00877, 01877
Scientific Atlanta	00000, 00003, 00008, 00237, 00477, 00877, 01877
Zenith	00000, 00525, 00899

Using Other Equipment with Your Remote Control

Remote control tips are provided below for the equipment you have programmed on the **DVD, AMP, STB** buttons of the remote control. See page 25 for programming equipment to the remote control.

Press **INPUT** to see your connected equipment in the **External Inputs** menu. Button functionality may differ depending on your equipment.

Button	Action	Universal Blu-ray, HD-DVD, DVD, DVD-R, DVD/HDD, DVD/VCR	Universal VCR, DVR	Universal SAT/CBL	Universal AMP/Receiver
Access Control					
DISPLAY	Display	✓	Information	✓	✓
+	Select	✓	✓	✓	✓
-	Clear, (cancel)	✓	✓	N/A	✓
ENT	Enter	✓	✓	✓	✓
Shortcuts Control					
GUIDE	Guide	✓	✓	✓	✓
FAVORITES	Favorites	N/A	N/A	✓	N/A
INPUT	Input Select	✓	✓	✓	✓
RETURN	Exit	✓	✓	✓	✓
HOME	Setup Menu	✓	✓	✓	✓
OPTIONS	Options	N/A	List	List	List
TOP MENU	Top Menu/List	Top Menu	List	List	Top Menu
MENU	Menu	Menu	Menu	Menu	Menu
F1	For selecting between DVD/VCR in combo units	HDD, DVD/HDD, DVD/VCR	VCR, VCR/DVD	N/A	N/A
F2		DVD	DVD	N/A	N/A
Equipment Control					
POWER	Turn on/off	✓	✓	✓	✓
⏮	Previous, Skip backward	✓	✓	✓	✓
⏪	Replay	✓	✓	✓	Band
⏩	Advance, Skip	✓	✓	✓	Surround
⏭	Next, Skip forward	✓	✓	✓	✓
⏮	Rewind	✓	✓	✓	✓
▶	Play	✓	✓	✓	✓
⏭	Fast Forward	✓	✓	✓	✓
⏸	Pause	✓	✓	✓	✓
■	Stop	✓	✓	✓	✓
Recording Control					
●	Record	✓	✓	✓	✓
⏸	Record Pause	✓	✓	✓	✓
■	Stop	✓	✓	✓	✓
Navigation Control					
↑/↓	Cursor up/down	✓	✓	✓	✓
←/→	Cursor left/right	✓	✓	✓	✓
Tuning Control					
0 - 9	Digit input	✓	✓	✓	✓
CH +/-	Channel up/down	✓	✓	✓	✓
JUMP	Last channel	N/A	N/A	✓	N/A
Volume Control					
VOL +/-	TV volume +/-	N/A	✓	✓	AMP/RECEIVER Vol.
MUTING	Muting	N/A	N/A	N/A	✓
R/G/B/Y Control					
Red	Red	✓	N/A	✓	DVD or BD Input
Green	Green	✓	N/A	✓	VIDEO 1 or A/V Input
Blue	Blue	✓	N/A	✓	SAT or Cable Input
Yellow	Yellow	✓	N/A	✓	TV or Tuner Input

