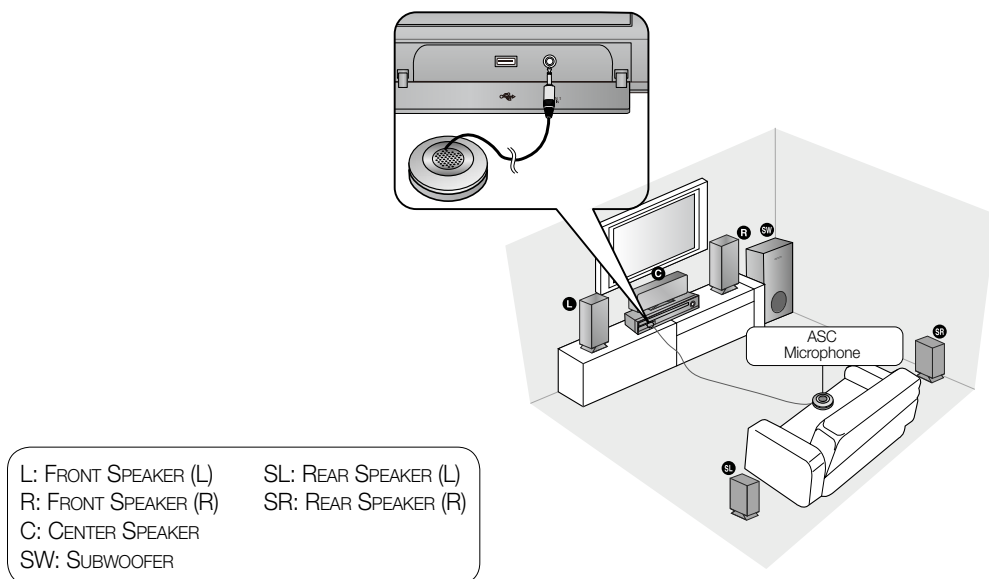


ASC (Auto Sound Calibration) SETUP

By setting the ASC function just once when you relocate or install the unit, you can have the unit automatically recognize the distance between speakers, levels between channels, and frequency characteristics to create a 5.1-channel sound field optimized for your environment.



- ASC SETUP can be made when there is no disc in the unit, or it is in Stop mode with a DVD/CD inserted.
- Because the volume level of the tone is fixed during the ASC setup, you cannot adjust the volume using the volume control buttons.
- If the auto sound microphone is disconnected during the ASC setup, the setup will be cancelled.
- When ASC function is activated, the DSP/EQ, DOLBY PRO LOGIC II, and P. BASS sound effects will not work.

To Verify the ASC

Briefly press **ASC** button.

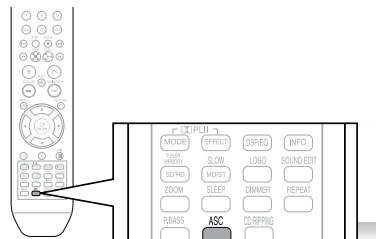
- Distance and level values specified for each channel will appear in the display.

ASC (Auto Sound Calibration) SETUP

1. Plug the ASC microphone into the ASC input jack.
 2. Place the ASC microphone at the listening position.
 3. Press **ASC** button.
- To create the optimal 5.1 channel sound field, the selections are in the following sequence:

L → C → R → SR → SL → SW

4. When the message "REMOVE MIC" appears in the display, unplug the ASC microphone.



-
-  ■ Setting the ASC function takes about 3 minutes.

To cancel the ASC (Auto Sound Calibration) setup, press **ASC** button.

The tone output stops, "CANCEL ASC" appears in the display followed by "REMOVE MIC", and the setup is cancelled.

To listen in the ASC (Auto Sound Calibration) mode, briefly press **ASC** button.

The selection alternates between ASC ON and ASC OFF in the display.

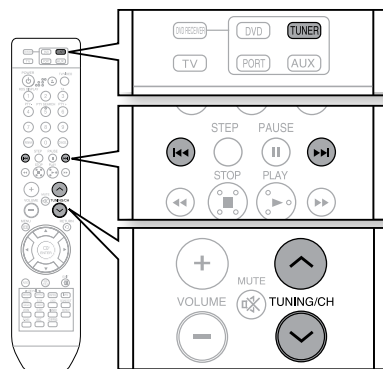
If you select "ASC ON", you will hear sound in the ASC mode.

If you select "ASC OFF", you will hear sound in the mode set in the audio setting of the setup screen.

LISTENING TO RADIO

Remote Control

1. Press the **TUNER** button to select the FM band.
2. Tune in to the desired station.
 - **Automatic Tuning 1** : When the **◀◀, ▶▶** button is pressed, a preset broadcast station is selected.
 - **Automatic Tuning 2** : Press and hold the **▲, ▼** button to automatically search for active broadcasting stations.
 - **Manual Tuning** : Briefly press the **▲, ▼** button to increase or decrease the frequency incrementally.



Main Unit

1. Press the **FUNCTION** button to select the FM band.
2. Select a broadcast station.
 - **Automatic Tuning 1** : Press the **STOP** (■) button to select **PRESET** and then press the **◀◀, ▶▶** button to select the preset station.
 - **Automatic Tuning 2** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the **◀◀, ▶▶** button to automatically search the band.
 - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then briefly press the **◀◀, ▶▶** button to tune in to a lower or higher frequency.

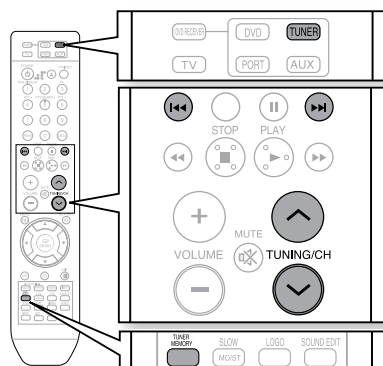
Press the **MO/ST** button to listen in Mono/Stereo.

- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.

PRESETTING STATIONS

Example : Presetting FM 89.10 in the memory

1. Press the **TUNER** button to select the FM band.
2. Press the **▲, ▼** button to select **89.10**.
3. Press the **TUNER MEMORY** button.
4. Press the **◀◀, ▶▶** button to select preset number.
 - You can select between 1 and 15 presets.
5. Press the **TUNER MEMORY** button again.
6. To preset another station, repeat steps 2 to 5.
 - To tune in to a preset station, press the **◀◀, ▶▶** button on the remote control to select a channel.

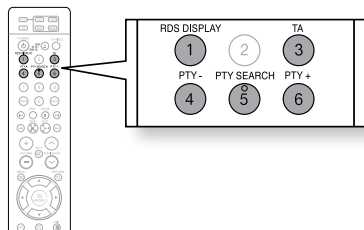


ABOUT RDS BROADCASTING

Using the RDS (Radio Data System) to receive FM stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.



Description on RDS function

- PTY (Program Type) : Displays the type of programme currently being broadcast
- PS NAME (Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
- RT (Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
- CT (Clock Time) : Decodes the real time clock from the FM frequency.
- TA (Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.



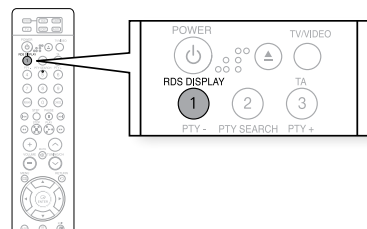
- RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.
- Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.

To show the RDS signals

You can see the RDS signals the station sends on the display.

Press the RDS DISPLAY while listening to an FM station.

- Each time you press the button, the display change to show you the following information : PS NAME → RT → CT → Frequency



- PS (Program Service) : While searching, <PS> appears and then the station names will be displayed. <NO PS> appears if no signal is sent.
- RT(RadioText) : while searching, <RT> appears and then text messages the station sends will be displayed. <NO RT> appears if no signal is sent.
- Frequency : station frequency (non-RDS service)

About characters shown in the display

When the display shows PS,or RT signals,the following characters are used.

- The display window cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display window cannot show accented letters, <A,> for instance, may stands for accented <A's> like <À, Â, Ä, Å, and Ã.>

PTY (Program Type) indication and PTY-SEARCH function

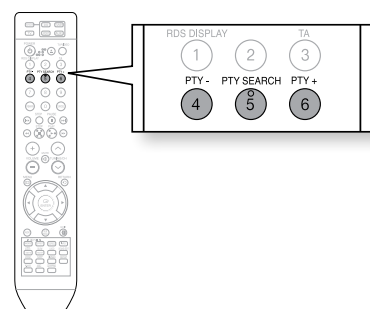
One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels by specifying the PTY codes.

To search for a program using the PTY codes

Before you start, remember...

- The PTY Search is only applicable to preset stations.
- To stop searching any time during the process, press **PTY SEARCH** while searching.
- There is a time limit in doing the following steps. If the setting is cancelled before you finish, start from step 1 again.
- When pressing the buttons on the primary remote control, make sure that you have selected the FM station using the primary remote control.

1. Press the **PTY SEARCH** while listening to an FM station.
2. Press the **PTY-** or **PTY+** until the PTY code you want appears on the display.
 - The display gives you the PTY codes described to the right.
3. Press the **PTY SEARCH** again, while the PTY code selected in the previous step is still on the display.
 - The center unit searches 15 preset FM stations, stops when it finds the one you have selected, and tunes in that station.



Display	Program Type
NEWS	News including an announced opinion and report
AFFAIRS	Several matters including a current incident, documentary, discussion and analysis.
INFO	Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	Sports
EDUCATE	Education
DRAMA	Drama-Radio serial, etc.
CULTURE	Culture-National or local culture including the religious problem, social science, language, cinema, etc.
SCIENCE	Natural science and technology
VARIED	Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	Pop music
ROCK M	Rock music
M.O.R.M	Current contemporary music considered to be "easy listening."

Display	Program Type
LIGHT M	Light classical music- Classical music and instrumental and chorus music
CLASSICS	Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	Other music - Jazz, R&B country music
WEATHER	Weather
FINANCE	Finance
CHILDREN	Children's programmes
SOCIAL A	Social affairs
RELIGION	Religion
PHONE IN	Phone in
TRAVEL	Travel
LEISURE	Leisure
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary

convenient function

SLEEP TIMER FUNCTION

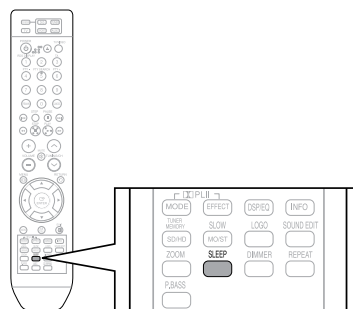
You can set the time that the Home Cinema will shut itself off.

Press the **SLEEP** button.

- **SLEEP** will be displayed. Each time the button is pressed, the preset time changes as follows :
10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

To confirm the sleep timer setting, press the **SLEEP** button.

- The remaining time before the Home Cinema will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.



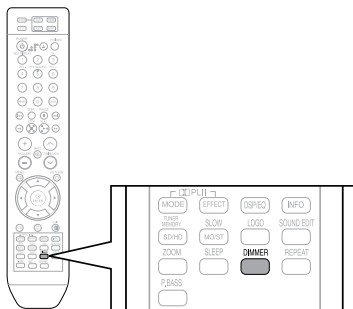
To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

ADJUSTING DISPLAY BRIGHTNESS

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press the **DIMMER** button.

- Each time the button is pressed, the brightness of front display will be adjusted.

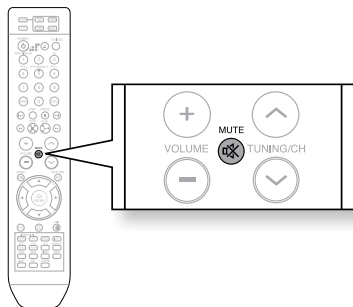


MUTE FUNCTION

This is useful when answering a doorbell or telephone call.

Press the **MUTE** button.

- **MUTE** appears in the display.
- To restore the sound, press the **MUTE** button again.



convenient function

CD RIPPING FUNCTION

You can rip a compact disc as a MP3 file on the USB
This feature enables you to ripping with the start of the disc or track of your choice.

1 Switch the system on by pressing **STANDBY/ON**.

2 Connect the USB.

3 Load a compact disc(Digital Audio).

4 Press **CD RIPPING** button on remote control to starting ripping.

- ◆ If the system is either at pause or playing state, turn the **CD RIPPING** dial down or press **CD RIPPING** button on the remote control to start the ripping for the current track.
- ◆ Turn **CD RIPPING** dial up or press and hold **CD RIPPING** button on the remote control to start ripping the all tracks of Disc.
- ◆ "CD Ripping" is displayed in red and **CD RIPPING** starts.
- ◆ During CD ripping, do not disconnect USB device.

5 To stop ripping, press **STOP** button and then automatically create and save as the MP3 file.

After CD-Ripping, a directory named "RIPPING" will be created in your device. The file name follows the format: "SAM-XXXX".MP3.

- ◆ Press the **OPEN/CLOSE** button to open the disc tray.
- ◆ Insert a CD and press the **OPEN/CLOSE** button to close the disc tray.
- ◆ Use the CD selection (**⏮** / **⏭**) buttons to select the desired song.

● CONVENIENT FUNCTION

Note

- ◆ Don't disconnected USB and AC Cord during CD-Ripping. This may cause the file damage. If you want to stop CD-Ripping during CD-Ripping, you must press stop Key first and after the CD Stopped, then you can remove the USB device.
- ◆ If you disconnected USB device when CD Ripping, the main unit will be power off and you may not delete the ripped file. In this case, please connect the USB on the PC and backup the USB data on the PC first and then format the USB device.
- ◆ On the CD playing, connect the USB, the CD play will be paused and will resume playing till the USB initialization finished.
- ◆ According the different USB the initialization time maybe different.
- ◆ When the USB memory is not enough, it will be displayed "NOT ENOUGH MEMORY"
- ◆ DTS-CD can't for CD Ripping.
- ◆ Starting CD ripping within 5 seconds can't create the CD Ripping file.
- ◆ Ripping file is only created when CD Ripping is stopped after 5 seconds (ex. SAM-0001.MP3).
- ◆ With external HDD, FAT format the USB can be CD Ripping, but not NTFS. The CD Ripping function of this product does not support all USB devices.
- ◆ When you use CD high speed search function, the CD Ripping can't work.
- ◆ When CD Ripping, CD audio can't be out.
- ◆ During CD Ripping, do not deal impact. If is shocked while CD Ripping, CD Ripping maybe disengage.
- ◆ Sometimes, some of USB devices, CD Ripping time is long.
- ◆ If you use scratched disc for CD Ripping, or connect/disconnect HDMI cable during CD Ripping, there might be some noise and broken sound on ripped file.
- ◆ When HDMI audio on, the CD RIPPING can't work.

CD Ripping Feature Supported Player

Product	Company	Type
YP-T8	Samsung	MP3 Player
YP-T7F	Samsung	MP3 Player
YP-D1	Samsung	MP3 Player
YP-T8N	Samsung	MP3 Player
YP-U2	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YV-150	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player

troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

SYMPTOM	Check/Remedy
Disc tray does not open.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Sound can be heard only from a few speakers and not all six.	• When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select "PRO LOGIC II" by pressing  PL II (Dolby Pro Logic II) on the remote control to use all six speakers. • Make sure that the DVD disc is 5.1-CH compatible. • If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Dolby Digital 5.1 CH Surround Sound is not produced.	• Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. • Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted? • Have you selected the mode(TV/DVD) functions of the remote control (TV or DVD) correctly?
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.

SYMPTOM	Check/Remedy
Audio language and subtitles do not work.	Audio language and subtitles will not work if the disc does not contain them.
Menu screen does not appear even when the menu function is selected.	Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
- The main unit is not working. (Example: The power goes out or strange noise is heard.) - The DVD player is not working normally.	Turn off the power and hold the STOP (■) button on the main unit for longer than 5 seconds (reset function). Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	- While "NO DISC" message appears on the display of main unit, hold the main unit's STOP (■) button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. - Press the POWER button. Using the RESET function will erase all stored settings. Do not use this unless necessary.
Can't receive radio broadcast.	- Is the antenna connected properly? - If the antenna's input signal is weak, install an external FM antenna in an area with good reception.

language code list

Enter the appropriate code number for the initial settings “Disc Audio”, “Disc Subtitle” and/or “Disc Menu” (See page 50).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

USB host feature supported products

DIGITAL CAMERA

Product	Company	Type	Product	Company	Type
Finepix-A340	Fuji	Digital Camera	U300	Olympus	Digital Camera
Finepix-F810	Fuji	Digital Camera	X-350	Olympus	Digital Camera
Finepix-F610	Fuji	Digital Camera	C-760	Olympus	Digital Camera
Finepix-f450	Fuji	Digital Camera	C-5060	Olympus	Digital Camera
Finepix S7000	Fuji	Digital Camera	X1	Olympus	Digital Camera
Finepix A310	Fuji	Digital Camera	U-mini	Olympus	Digital Camera
KD-310Z	Konica	Digital Camera	Lumix-FZ20	Panasonic	Digital Camera
Finecam SL300R	Kyocera	Digital Camera	DMC-FX7GD	Panasonic	Digital Camera
Finecam SL400R	Kyocera	Digital Camera	Lumix LC33	Panasonic	Digital Camera
Finecam S5R	Kyocera	Digital Camera	LUMIX DMC-F1	Panasonic	Digital Camera
Finecam Xt	Kyocera	Digital Camera	Optio-S40	Pentax	Digital Camera
Dimage-Z1	Minolta	Digital Camera	Optio-S50	Pentax	Digital Camera
Dimage Z1	Minolta	Digital Camera	Optio 33LF	Pentax	Digital Camera
Dimage X21	Minolta	Digital Camera	Optio MX	Pentax	Digital Camera
Coolpix4200	Nikon	Digital Camera	Digimax-420	Samsung	Digital Camera
Coolpix4300	Nikon	Digital Camera	Digimax-400	Samsung	Digital Camera
Coolpix 2200	Nikon	Digital Camera	Sora PDR-T30	Toshiba	Digital Camera
Coolpix 3500	Nikon	Digital Camera	Coolpix 5900	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera	Coolpix S1	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera	Coolpix 7600	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera	DMC-FX7	Panasonic	Digital Camera
Stylus 410 digital	Olympus	Digital Camera	Dimage Xt	Minolta	Digital Camera
300-digital	Olympus	Digital Camera	AZ-1	Olympus	Digital Camera
300-digital	Olympus	Digital Camera			

USB FLASH DISC

Product	Company	Type	Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M	XTICK	LG	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 128M	Micro Mini	Iomega	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M	iFlash	Imation	USB 2.0 64M
SONY Micro Vault	Sony	USB 2.0 64MB	LG	XTICK(M)	USB 2.0 64M
FLEX DRIVE	Serotech	USB 2.0 32MB	RiDATA	EZDrive	USB 2.0 64M
AnyDrive	A.L tech	USB 2.0 128MB			

MP3 PLAYER

Product	Company	Type	Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player	YP-K3	Samsung	MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player	YP-U3	Samsung	MP3 Player
YH-920	Samsung	20G HDD MP3 Player	YP-Z5F	Samsung	MP3 Player
YP-T7	Samsung	MP3 Player	iAUDIO U2	Cowon	MP3 Player
YP-MT6	Samsung	MP3 Player	iAUDIO G3	Cowon	MP3 Player
YP-T6	Samsung	MP3 Player	iAudio M3	Cowon	HDD MP3 Player
YP-T9	Samsung	MP3 Player	SI-M500L	Sharp	256MB MP3 Player
YP-ST5	Samsung	MP3 Player	H10	Iriver	MP3 Player
YP-T5	Samsung	MP3 Player	YP-T10	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player	YP-P2	Samsung	MP3 Player

appendix

CAUTIONS ON HANDLING AND STORING DISCS

Small scratches on the disc may reduce sound and picture quality or cause skipping.

Be especially careful not to scratch discs when handling them.

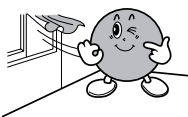
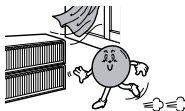
Handling discs

Do not touch the playback side of the disc.

Hold the disc by the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

Disc Storage

Do not keep in direct sunlight	Keep in a cool ventilated area	Keep in a clean Protection jacket. Store vertically.
		



- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc



- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

SPECIFICATIONS

General	Power Consumption	80 W
	Weight	3.5 kg
	Dimensions	430 (W) x 70 (H) x 282 (D) mm
	Operating Temperature Range	+5°C~+35°C
	Operating Humidity Range	10 % to 75 %
Disc	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec.
		Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.
		Maximum Play Time : 74 min.
	CD : 8cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.
Video Output	Composite Video	576i/480i
		1 channel : 1.0 Vp-p (75 Ω load)
	Component Video	576i/480i
		Y : 1.0 Vp-p (75 load)
		Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load)
Video/Audio	HDMI	1080p, 1080i, 720p, 576p/480p
Amplifier	Front speaker output	166W x 2(3Ω)
	Center speaker output	166W(3Ω)
	Rear speaker output	166W x 2(3Ω)
	Subwoofer speaker output	170W(3Ω)
	Frequency range	20Hz~20KHz
	S/N Ratio	70dB
	Channel separation	60dB
	Input sensitivity	(AUX)400mV

SPECIFICATIONS

HT-Z320

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170 W
	Maximum input	332W	332W	340 W
	Dimensions (W x H x D)	Front/Rear : 90 x 118 x 90 mm Center : 250 x 91 x 90 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 0.5 kg, Center : 0.6 kg Rear : 0.4 kg, Subwoofer : 4.5 kg		

HT-TZ322

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170 W
	Maximum input	332W	332W	340 W
	Dimensions (W x H x D)	Front : 90 x 1020 x 92 mm (stand base : 280 x 280) Rear : 90 x 118 x 90 mm Center : 250 x 91 x 90 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 2.8 kg, Center : 0.6 kg Rear : 0.4 kg, Subwoofer : 4.5 kg		

HT-TZ325

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170 W
	Maximum input	332W	332W	340 W
	Dimensions (W x H x D)	Front/Rear : 90 x 1020 x 92 mm (stand base : 280 x 280) Center : 250 x 91 x 90 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 2.8 kg, Center : 0.6 kg Rear : 2.6 kg, Subwoofer : 4.5 kg		

HT-Z420

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170W
	Maximum input	332W	332W	340W
	Dimensions (W x H x D)	Front : 90 x 230 x 92 mm Rear : 90 x 137 x 92 mm Center : 300 x 101 x 91.5 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 0.6 kg, Center : 0.9 kg Rear : 0.5 kg, Subwoofer : 4.5 kg		

HT-TZ422

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170W
	Maximum input	332W	332W	340W
	Dimensions (W x H x D)	Front : 90 x 1020 x 92 mm (stand base : 280 x 280) Rear : 90 x 137 x 92 mm Center : 300 x 101 x 91.5 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 3.0 kg, Center : 0.9 kg Rear : 0.5 kg, Subwoofer : 4.5 kg		

HT-TZ425

Speaker	Speaker system	5.1ch speaker system		
		Front/Rear	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	45Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M
	Rated input	166W	166W	170W
	Maximum input	332W	332W	340W
	Dimensions (W x H x D)	Front /Rear: 90 x 1020 x 92 mm (stand base : 280 x 280) Center : 300 x 101 x 91.5 mm Subwoofer : 180 x 320 x 380 mm		
	Weights	Front : 3.0 kg, Center : 0.9 kg Rear : 3.0 kg, Subwoofer : 4.5 kg		

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Region	Country	Customer Care Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com/us
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com/br
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
	NICARAGUA	00-1800-5077267	www.samsung.com/latin
	HONDURAS	800-7919267	www.samsung.com/latin
	COSTA RICA	0-800-507-7267	www.samsung.com/latin
	ECUADOR	1-800-10-7267	www.samsung.com/latin
	EL SALVADOR	800-6225	www.samsung.com/latin
	GUATEMALA	1-800-299-0013	www.samsung.com/latin
	JAMAICA	1-800-234-7267	www.samsung.com/latin
	PANAMA	800-7267	www.samsung.com/latin
	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
	REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
	VENEZUELA	0-800-100-5303	www.samsung.com/latin
Europe	COLOMBIA	01-8000112112	www.samsung.com.co
	BELGIUM	02 201 2418	www.samsung.com/be
	CZECH REPUBLIC	800-726-786 (800 - SAMSUNG)	www.samsung.com/cz
	DENMARK	70 70 19 70	www.samsung.com/dk
	FINLAND	030-6227 515	www.samsung.com/fi
	FRANCE	3260 SAMSUNG (€ 0,15/Min), 08 25 08 65 65 (€ 0,15/Min)	www.samsung.com/fr
	GERMANY	01805 - SAMSUNG(726-7864) (€ 0,14/Min)	www.samsung.de
	HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com/hu
	ITALIA	800-SAMSUNG(726-7864)	www.samsung.com/it
	LUXEMBURG	02 261 03 710	www.samsung.com/lu
	NETHERLANDS	0900-SAMSUNG(726-7864) (€ 0,10/Min)	www.samsung.com/nl
	NORWAY	815-56 480	www.samsung.com/no
	POLAND	0 801 801 881, 022-607-93-33	www.samsung.com/pl
	PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com/pt
	SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com/sk
	SPAIN	902-1-SAMSU(72678)	www.samsung.com/es
	SWEDEN	0771-400 200	www.samsung.com/se
	U.K	0845 SAMSUNG (7267864)	www.samsung.com/uk
	EIRE	0818 717 100	www.samsung.com/ie
	AUSTRIA	0800-SAMSUNG(726-7864)	www.samsung.com/at
	SWITZERLAND	0800-SAMSUNG(726-7864)	www.samsung.com/ch
CIS	RUSSIA	8-800-555-55-55	www.samsung.ru
	KAZAHSTAN	8-10-800-500-55-500	www.samsung.com/kz_ru
	UZBEKISTAN	8-10-800-500-55-500	www.samsung.com/kz_ru
	KYRGYZSTAN	00-800-500-55-500	
	TADJIKISTAN	8-10-800-500-55-500	
	UKRAINE	8-800-502-0000	www.samsung.ua
	LITHUANIA	8-800-77777	www.samsung.lt
	LATVIA	8000-7267	www.samsung.com/lv
	ESTONIA	800-7267	www.samsung.ee
Asia Pacific	AUSTRALIA	1300 362 603	www.samsung.com/au
	NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com/nz
	CHINA	800-810-5858, 400-810-5858, 010-6475 1880	www.samsung.com/cn
	HONG KONG	3698-4698	www.samsung.com/hk
	INDIA	3030 8282, 1800 110011, 1-800-3000-8282	www.samsung.com/in
	INDONESIA	0800-112-8888	www.samsung.com/id
	JAPAN	0120-327-527	www.samsung.com/jp
	MALAYSIA	1800-88-9999	www.samsung.com/my
	PHILIPPINES	1800-10-SAMSUNG(726-7864)	www.samsung.com/ph
	SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg
	THAILAND	1800-29-3232, 02-689-3232	www.samsung.com/th
	TAIWAN	0800-329-999	www.samsung.com/tw
	VIETNAM	1 800 588 889	www.samsung.com/vn
Middle East & Africa	TURKEY	444 77 11	www.samsung.com/tr
	SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com/za
	U.A.E	800-SAMSUNG (726-7864), 8000-4726	www.samsung.com/ae

