



SAMSUNG

DVD-C350

DVD-PLAYER

User Manual

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product at
www.samsung.com/global/register



AK68-01906A



ENGLISH

getting started

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched : particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Precautions



This symbol indicates that dangerous voltage consisting of a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Do not install this equipment in a confined space such as a bookcase or similar unit.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Note to CATV system installer : This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution : FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- If this power supply is used at 240V ac, a suitable plug adapter should be used.

FCC NOTE (for U.S.A):

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 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.

2

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

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

FDA Laser :

" Complies with 21CFR 1040.10 except for deviations pursuant to Laser Notice No.50, dated June 24, 2007."

CALIFORNIA USA ONLY :

This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA "Perchlorate Material - special handling may apply" , See www.dtsc.ca.gov/hazardouswaste/perchlorate.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Notes:

- This unit can be used only where the power supply is AC 120V, 60Hz. It cannot be used elsewhere.
- This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, the DVD player cannot play the disc.
- The product unit accompanying this user manual is licensed under certain intellectual property rights of certain third parties. In particular, this product is licensed under the following US patents: 5,060,220 5,457,669 5,561,649 5,705,762 5,987,417 6,043,912 6,222,983 6,272,096 6,377,524 6,377,531 6,385,587 6,389,570 6,408,408 6,466,532 6,473,736 6,477,501 6,480,829 6,556,520 6,556,521 6,556,522 6,578,163 6,594,208 6,631,110 6,656,588 6,674,697 6,674,957 6,687,455 6,697,307 6,707,985 6,721,243 6,721,493 6,728,474 6,741,535 6,744,713 6,744,972 6,765,853 6,765,853 6,771,890 6,771,891 6,775,465 6,778,755 6,788,629 6,788,630 6,795,637 6,810,201 6,862,256 6,868,054 6,894,963 6,937,552.

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The license only covers the use of this product unit to encode and/or decode audio files conforming to the ISO/IEC 11172-3 or ISO/IEC 13818-3. No rights are granted under this license for product features or functions that do not conform to the ISO/IEC 11172-3 or ISO/IEC 13818-3.

Handling Cautions

- Before connecting other components to this player, be sure to turn them all off.
- Do not move the player while a disc is being played, or the disc may be scratched or broken, and the player's internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Do not place anything other than the disc in the disc tray.
- Exterior interference such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.
- Be sure to remove the disc and turn off the player after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the player for long periods of time.
- Clean the disc by wiping in a straight line from the inside to the outside of the disc.
- The Main plug is used as a disconnect device and shall stay readily operable at any time.

Disc Storage

Use care when storing discs. The data on the discs is highly vulnerable to mishandling.

- Do not expose to direct sunlight.
- Keep in a cool, ventilated area.
- Store vertically.
- Keep in a clean protection jacket.

Maintenance of Cabinet

For safety reasons, be sure to disconnect the AC power cord from the AC outlet.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
PRODUCTO	LÁSER CLASE 1

Accessories

- Remote Control (AK59-00103C)
- User's Manual (AK68-01906A)
- Video/Audio Cable (AC39-42001U & AC39-2201Z)

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General Features

Excellent Sound

Dolby Digital, a technology developed by Dolby Laboratories, provides crystal clear sound reproduction.

Screen

You can view video in both regular (4:3) and widescreen (16:9).

Slow Motion

You can watch scenes in slow motion.

Parental Control (DVD)

The parental control allows you to set the level necessary to prevent children from viewing harmful movies such as those with violence, adult subject matter, etc.

Various On-Screen Menu Functions

You can select various languages (Audio/Subtitle) and screen angles while enjoying movies.

Progressive Scan

Progressive scan provides an improved picture with double the scan lines of a conventional interlaced picture.

EZ VIEW (DVD)

Easy View enables picture adjustment to match your TV's screen size (16:9 or 4:3).

Digital Photo Viewer (JPEG)

You can view Digital Photos on your TV.

Repeat

You can repeat a song or movie simply by pressing the REPEAT button.

MP3/WMA

This unit can play discs created from MP3/WMA files.

Note

- These disc formats cannot be played on this player.
 - DVD-ROM
 - DVD-RAM
 - CD-ROM
 - CDV
 - CDI
 - CVD
 - CDGs (Plays audio only, not graphics. The ability to play back may depend on recording conditions.)
 - DVD-R, +R
 - CD-RW
 - DVD+RW, -RW (V mode)
- The unit may not play certain CD-R, CD-RW and DVD-R due to the disc type or recording conditions.








COPY PROTECTION

Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs. This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Rovi Corporation and other rights owners. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless other-wise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.

PROGRESSIVE SCAN OUTPUTS (480p)

YOU SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IF PROGRESSIVE SCAN PICTURE PROBLEMS OCCUR, WE RECOMMEND THAT YOU SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' (VIDEO) OUTPUT. IF THERE ARE QUESTIONS REGARDING YOUR TV SET'S COMPATIBILITY WITH THIS DVD PLAYER, PLEASE CONTACT SAMSUNG'S CUSTOMER SERVICE CENTER.

Disc Markings

	Play Region Number
	NTSC broadcast system in U.S.A, Canada, Korea, Japan, etc.
	Dolby Digital disc.
	Stereo disc
	Digital Audio disc
	DTS disc
	MP3 disc

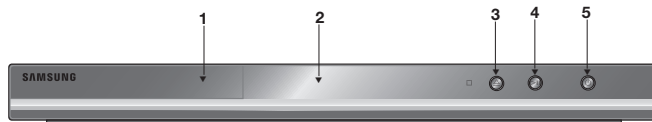
Region Number

Both the DVD player and your DVD discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

Description

Front Panel Controls



1. DISC TRAY

Place the disc here.

2. DISPLAY

Operation indicators are displayed here.

3. OPEN/CLOSE/STOP (▲)

Press to open and close the disc tray/Stop disc play.

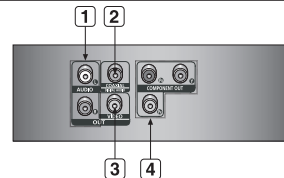
4. PLAY/PAUSE (▶||)

Begin or pause disc play.

5. POWER ON/OFF (⏻)

Turn On/Off the DVD Player.

Rear Panel



1. AUDIO OUT JACKS

Use audio cables to connect to the Audio input jacks of your television or audio/video receiver

2. DIGITAL AUDIO JACK

Use a coaxial digital cable to connect to a Dolby Digital receiver or A/V Amplifier that contains a Dolby Digital, MPEG2, or DTS decoder.

3. VIDEO OUT JACK

Use a video cable to connect to the Video input jack on your television.

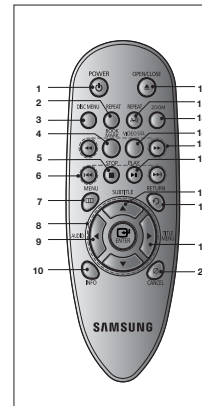
4

4. COMPONENT VIDEO OUT JACKS

- Use these jacks if you have a TV with Component Video in jacks. These jacks provide P_R, P_B and Y video.
- If P-SCAN is set to "ON" in Video Output of the Setup Menu, progressive scan mode will work.
- If I-SCAN is set to "ON" in Video Output of the Setup Menu, interlaced scan mode will work.

Tour of the Remote Control

DVD-C350



1. DVD POWER Button

Turns the power on or off.

2. REPEAT Button

Allows you to repeat play a title, chapter, track, or disc.

3. DISC MENU Button

Brings up the Disc menu.

4. BOOKMARK

Quickly find bookmark sections of a DVD.

5. STOP Button (■)

Use to skip the title, chapter or track

6. SKIP Buttons (◀▶)

Use to skip the title, chapter or track

7. MENU Button

Brings up the DVD player's menu.

8. ENTER/▲/▼, ◀/▶ Buttons

This button functions as a toggle switch. Use this button to access various audio functions on a disc.

10. INFO Button

Used to display playback info banner.

11. OPEN/CLOSE (▲) Button

To open and close the disc tray.

12. REPEAT A-B Button

Allows you to repeat play a chosen section (A-B) on a disc.

13. ZOOM Button

Enlarges the DVD Picture.

14. VIDEO SEL. Button

Changes video output mode.

15. SEARCH Buttons (◀▶)

Allow you to search forward/backward through a disc.

16. PLAY/PAUSE Button (▶||)

Begin/Pause disc play.

17. SUBTITLE Button (▲)

Enlarges the DVD Picture.

18. RETURN Button

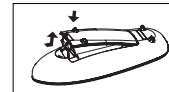
Returns to a previous menu.

19. TITLE MENU Button (▶)

Brings up the Title menu.

20. CANCEL Button

Use to remove menus or status displays from the screen.



Install Batteries in the Remote control

1. Open the battery cover on the back of the remote control.
2. Insert two AAA batteries. Make sure that the polarities (+ and -) are aligned correctly.
3. Replace the battery cover.

Connections

Choosing a Connection

The following explains how to make connections commonly used to connect the DVD player with a TV and other devices. A diagram showing these connections is on the next page.

Before Connecting the DVD Player

- Always turn off the DVD player, TV, and other devices before you connect or disconnect any cables.
- Refer to the user's manual of the additional devices (such as a TV) you are connecting for more information on those particular devices.

A. Connections to a TV using the Component Jacks (Interlace/Progressive)

- Connecting through the Component jacks lets you view video at the 480p (Progressive Scan) resolution.
- What is "Progressive Scan"?
Progressive scan has twice as many scanning lines per frame as interlaced (480i) output and provides better and clearer picture quality.

1. Using Component video cables (not included), connect the **COMPONENT VIDEO OUT (PR, PB and Y)** jacks on the rear of the DVD player to the **COMPONENT IN (PR, PB and Y)** jacks of your TV.
2. Using the audio cables, connect the **AUDIO (red and white) OUT** Jacks on the rear of the DVD player to the **AUDIO (red and white) IN** Jacks of TV. Turn on the DVD player and TV.
3. Set the Video Output to **I-SCAN/P-SCAN** in the Display Setup menu. You can also use the **VIDEO SEL.** button to change the Video Output mode.
4. Press the input selector button on your TV remote control until the Component signal from the DVD player appears on the TV screen.

B. Connecting to a TV using the Video Jack (Video)

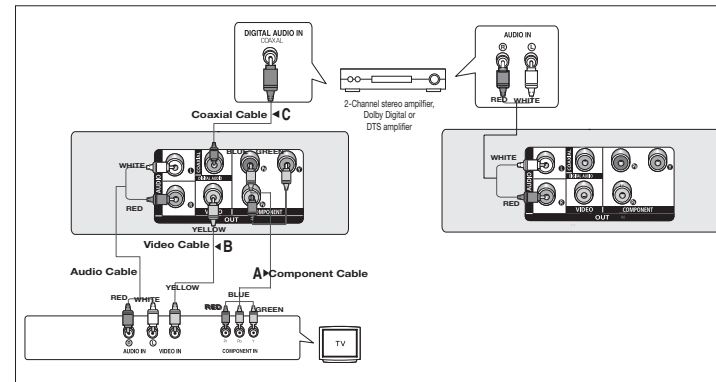
1. Using Video/Audio cables, connect the **VIDEO (yellow)/AUDIO (red and white) OUT** jacks on the rear of the DVD player to the **VIDEO (yellow)/AUDIO (red and white) IN** jacks of your TV.
2. Turn on the DVD player and TV.
3. Press the input selector button on your TV remote control until the Video signal from the DVD player appears on the TV screen.

Notes

- **Noise may be generated if the audio cable is placed too close to the power cable.**
- If you want to connect to an Amplifier, please refer to the Amplifier connection section below.
- The number and position of the jacks on your TV may vary depending on your TV set. Please refer to the user's manual of your TV.
- If there is one audio input terminal on the TV, connect it to the [AUDIO OUT] [left] (white) jack of the DVD player.
- If you press the VIDEO SEL. button when the DVD Player is in stop mode or no disc is inserted, the Video Output mode changes in the following sequence :
(I-SCAN → P-SCAN) (Interlaced → Progressive).

C. Connection to an Audio System (2 Channel Amplifier, Dolby Digital, MPEG2 or DTS Amplifier)

1. Using the audio cables, connect the **AUDIO (red and white) OUT** Jacks on the rear of the DVD player to the **AUDIO (red and white) IN** Jacks of the Amplifier. If using a coaxial cable, connect the **DIGITAL AUDIO OUT (COAXIAL)** jacks on the rear of the DVD player to the **DIGITAL AUDIO IN (COAXIAL)** Jack of the Amplifier.
2. Using the video signal cable(s), connect the **VIDEO** or **COMPONENT** Jacks on the rear of the DVD player to the **VIDEO** or **COMPONENT** Jacks of your TV.
3. Turn on the DVD player, TV, and Amplifier.
4. Press the input select button of the Amplifier to select the audio input your DVD player is connected to in order to hear sound. Refer to your Amplifier's user manual to set the Amplifier's audio input.



Basic functions

Playing a Disc

Before Play

- Using your TV's remote control, turn on your TV and set it to the Video Input your DVD player is connected to.
- If you connected the DVD player to an external Audio System, turn on your Audio System and set it to the correct Audio Input.

After plugging in the player, the first time you press the DVD POWER button, the screen to the right appears: If you want to select a language, press the **▲/▼** button, and then press the ENTER button. (This screen will only appear when you plug in the player for the first time.) If the language for the startup screen is not set, the settings may change whenever you turn the power on or off. Therefore, make sure that you select the language you want to use.

Once you select a menu language, you can change it by pressing the **▲** button on the front panel of the unit for more than 5 seconds with no disc in the unit. Then the SELECT MENU LANGUAGE window appears again where you can reset to your preferred language.



Using the Search and Skip Functions

During play, you can search quickly through a chapter or track, and use the skip function to jump to the next selection.

Searching through a Chapter or Track

During play, press the **SEARCH** (◀◀ or ▶▶) button on the remote control for more than 1 second
- If you want to search at a faster speed on the DVD or CD, press the SEARCH button.

DVD	2X, 4X, 64X, 128X
CD	2X, 4X, 8X

- Notes**
- The speed marked in this function may be different from the actual playback speed.
 - No sound is heard during search mode (Except CD).

Skipping Tracks

During play, press the **SKIP** (◀◀ or ▶▶) button.






- When playing a DVD, if you press the SKIP (▶▶) button, it moves to the next chapter. If you press the SKIP (◀◀) button, it moves to the beginning of the chapter. Pressing the Skip button twice makes the DVD move to the beginning of the previous chapter.
- When playing a CD, if you press the SKIP (▶▶) button, it moves to the next track. If you press the SKIP (◀◀) button, it moves to the beginning of the track. Pressing the Skip button twice makes the CD move to the beginning of the previous track.

Using the Display Function

When Playing a DVD

1. During play, press the **INFO** button on the remote control.
2. Press the ▲/▼ buttons to select the desired item.
3. Press the ◀/▶ buttons to make the desired setup and then press the **ENTER** button.
4. To make the screen disappear, press the **INFO** button again.

The functions when using the Display function are listed in the table below.

	To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified.
	Most DVD discs are recorded in chapters so that you can quickly find a specific passage (similar to tracks on an audio CD).
	Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
	Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles.
	ENTER and press the ◀/▶ buttons to access the desired Audio, Angle, Bookmark, EZ View function and Zoom. Refers to the film's soundtrack language. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks. Some DVD discs have an Angle function that allows you to view a picture from different angles. The Bookmark function enables you to easily and quickly find a track or chapter on a DVD or CD. The EZ View function is used to change the aspect ratio of a DVD. The ZOOM function is used to enlarge the DVD Picture.

Using the Disc and Title Menu

During the playback of a DVD disc, press the **DISC MENU/TITLE MENU** button on the remote control.

- Notes**
- Depending on a disc, the Disc Menu/Title Menu may not work.
 - You can also select the Disc Menu, using the DISC MENU button on the remote control.
 - Title Menu will only be displayed if there are at least two titles in the disc.

Repeat Play

Repeat the current Chapter, title, disc, a chosen section (A-B), or all of the disc.

When playing a DVD

1. Press the REPEAT button on the remote control. The repeat screen appears. A DVD repeats play by Chapter, Title, Disc or Repeat Off.
- Chapter : repeats the chapter that is playing.
 - Title : repeats the title that is playing.
 - Disc : repeats the disc that is playing.
 - Off

Using the A-B Repeat function

1. Press the **REPEAT A-B** button on the remote control.
2. Press the **REPEAT A-B** button at the point where you want repeat play to start (A).
3. Press the **REPEAT A-B** button at the point where you want the repeat play to stop (B).
 - To return to normal play, press the **CANCEL** button.
4. To return to normal play, press the REPEAT A-B then press the ENTER button until the display shows Repeat : Off.

- Notes**
- A-B REPEAT allows you to set point (B) directly after you have set point (A).
 - Depending on the disc, the Repeat function may not work.

Slow Play

This feature allows you to repeat scenes containing sports, dancing, musical instruments being played etc. in slow motion, so you can study them more closely.

When playing a DVD

1. During play, press the **PLAY/PAUSE** (▶||) button.
2. Press the **SEARCH** (▶▶) button to choose the play speed between 1/2, 1/4, 1/8 and 1/16 of normal speed.

Advanced functions

Adjusting the Aspect Ratio (EZ View)

The Aspect ratio is the relation between the width and height of a picture. The two most common are 4:3 (Standard) and 16:9 (Widescreen). Follow the instructions below for the best aspect ratio setting for your TV.

Changing the Aspect Ratio (DVD)

1. During play, press the **INFO** button on the remote control.
2. Press the **▲/▼** buttons to select **Shortcut**, then press the **ENTER** button.
3. Press the **◀/▶** buttons to select **EZ View**, then press the **ENTER** button.
 - Each time you press the **◀/▶** button, the screen size changes. For graphics of the screen sizes and the sequence in which the sizes change, see the next column.

- 4:3 Letter Box



- 4:3 Pan&Scan



- 16:9 Wide



If you are using a 16:9 TV

For 16:9 aspect ratio discs

- WIDESCREEN
- SCREEN FIT
- ZOOM FIT

For 4:3 aspect ratio discs

- Normal Wide
- SCREEN FIT
- ZOOM FIT
- VERTICAL FIT

If you are using a 4:3 TV

For 16:9 aspect ratio discs

- 4:3 Letter Box
- 4:3 Pan Scan
- SCREEN FIT
- ZOOM FIT

For 4:3 aspect ratio discs

- Normal Screen
- SCREEN FIT
- ZOOM FIT

Note

This function may behave differently depending on the type of disc.

Selecting the Audio Language

You can select a desired audio language available on a disc quickly and easily with the AUDIO button.

Using the AUDIO/ **◀** button (DVD)

1. During play, press the AUDIO / **◀** button. Change the audio language by pressing the AUDIO / **◀** button.
 - The Audio changes when the button is pressed repeatedly.

Note

- This function depends on audio languages that are encoded on the disc. This function may not work with all DVDs.

Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE (**▲**) button.

Using the SUBTITLE / **▲** button (DVD)

1. Press the **SUBTITLE / ▲** button. The subtitle languages are represented by abbreviations. The subtitle changes when the button is pressed repeatedly.
2. To remove the **SUBTITLE** icon, press the SUBTITLE / **▲** button.

Notes

- Depending on the DVD, you may have to select the desired subtitle in the DVD's Disc Menu. Press the **INFO** button.
- This function depends on what subtitles are encoded on the disc. This function may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.

Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Using the ANGLE function (DVD)

If the disc contains multiple angles, the ANGLE mark appears on the screen.

1. During play, press the **INFO** button on the remote control.
2. Press the **▲/▼** buttons to select **Shortcut**, then press the **ENTER** button.
3. Press the **◀/▶** buttons to select **Angle**, then press the **ENTER** button.
4. Press the **◀/▶** buttons on the remote control to select the desired angle option.

Using the Bookmark Function

This feature lets you bookmark sections of a DVD, so you can quickly find them at a later time.

Using the Bookmark Function (DVD)

1. During play, press the **INFO** button on the remote control.
2. Press the **▲/▼** buttons to select **Shortcut**, then press the **ENTER** button.
3. Press the **◀/▶** buttons to select **Bookmark**, then press the **ENTER** button.
4. When you reach the scene you want to mark, press-the **ENTER** button. You can bookmark up to 12 scenes at a time.

Note

- Depending on the disc, the Bookmark function may not work.

Recalling a Marked Scene

- 1~3. The first 1~3 steps are the same as those for "Using the Bookmark Function".
4. Press the **◀/▶** buttons to select a marked scene.
5. Press the PLAY/PAUSE (**▶||**) button to skip to the marked scene.

Clearing a Bookmark

- 1~3. The first 1~3 steps are the same as those for "Using the Bookmark Function".
4. Press the **◀/▶** buttons to select the bookmark number you want to delete.
5. Press the **CANCEL** button to delete a bookmark number.

Using the Zoom Function

Using the Zoom Function (DVD)

1. During play, press the **INFO** button on the remote control.
2. Press the **▲/▼** buttons to select **Shortcut**, then press the **ENTER** button.
3. Press the **◀/▶** buttons to select **Zoom**, then press the **ENTER** button.
 - During DVD play, press ENTER to zoom in X2/X3/X4/ Normal in order
4. or During play, press the **ZOOM** button on the remote control.

Clips Menu for MP3/WMA/JPEG/CD Audio

CD Audio or discs with MP3/WMA/JPEG contain individual songs and/or pictures. These discs are organized into folders on this unit as shown to the right. The folders function much like the folders you use on your computer. To go access these folders and the files in them, follow these steps :

1. Open the disc tray. Place the disc on the tray.
2. Close the tray. The tray closes and the Parent Folder Menu screen appears (top screen image.) Parent folders contain all the Peer folders that have the same kind of content : music, videos, photos, etc.
3. Press the **▲/▼** buttons to select the Parent folder of your choice, and then press ENTER. A screen displaying the Peer folders appears. The Peer folders contain all the folders with the same kind of content (videos, music, photos, etc.) that are in the Parent folder.



Folder Selections

You can select a folder both in Stop or Play mode.

- **To select the Parent Folder**
Press the RETURN button to go to the parent folder, or press the **▲/▼** buttons to select “..” and then press ENTER to go to the parent folder.
- **To select the Peer Folder**
Press the **▲/▼** buttons to select the desired folder, and then press ENTER.
- **To select the Sub-Folder**
Press the **▲/▼** buttons to select the desired folder, and then press ENTER.

MP3/WMA/CD Audio Playback

1. Open the disc tray. Place the disc on the tray. Close the tray.
 - Only one kind of file is played back when a disc or a folder contains both MP3 and WMA files.
2. Press the **▲/▼** buttons to select a Music folder, and then press **ENTER**. Press the **▲/▼** to select a song file, and then press **ENTER**.

Repeat/Random playback

1. Press the **REPEAT** button to change the playback mode. There are four modes ; such as **Off**, **Track**, **Folder** and **Random**.
 - Off: Normal Playback
 - Track: Repeats the current song file.
 - Folder: Repeats the song files which have the same extension in the current folder.
 - Random: Plays the song files which have the same extension in random order.
2. To resume normal play, press the **CANCEL** button.

CD-R MP3/WMA file

When you record MP3 or WMA files on a CD-R, for playback in this unit, please refer to the following.

- **Your MP3 or WMA files should be in ISO 9660 or JOLIET format.**
ISO 9660 format and Joliet MP3 or WMA files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. This format is the most widely used.
- **When naming your MP3 or WMA files, do not exceed 8 characters, and enter “.mp3, .wma” as the file extension.**
General name format : Title.mp3. or Title.wma. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (,./\,=,+).
- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
Sound quality with MP3 files depends on the rate of compression/ decompression you choose. Getting CD audio sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192Kbps or more, only rarely gives better sound quality. Files with decompression rates below 128 Kbps will not be played properly.
- **Use a decompression transfer rate of at least 64Kbps when recording WMA files.**
Sound quality with WMA files depends on the rate of compression/decompression you choose. Getting CD audio sound requires an analog/digital sampling rate, that is conversion to WMA format, of at least 64Kbps and up to 192Kbps. Files with decompression rates below 64Kbps or over 192Kbps will not be played properly. The sampling rate that can be supported for WMA files is >30 KHz.
- **Do not try recording copyright protected MP3 files.**
Windows Media™ files (a registered trade mark of Microsoft Inc) and SDMI™ files (a registered trade mark of The SDMI Foundation) are encrypted and code protected to prevent illegal copying. You cannot copy these files.
- **Important:**
The recommendations on the previous page cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).
- This unit can play a maximum of 500 files and 500 folders per disc.

Picture CD Playback

1. Select the desired folder.
2. Press the **▲/▼** buttons to select a Picture file in the clips menu and then press the **ENTER** button.

Notes

- Press the STOP button to return to the clips menu.
- When playing a Kodak Picture CD, the unit displays the Photo directly, not the clips menu.

Rotation

- Each time the ◀/▶ button is pressed, the picture rotates 90 degrees clockwise.
- Each time the ▲ button is pressed, the picture rotates 180 degrees.
- Each time the ▼ button is pressed, the picture changes to the mirror appearance.

Zoom

- Press the ZOOM button.
- Each time you press the ZOOM button, the picture is enlarged : 100%, 125%, 150%, 200%.

Slide show

- If you press PLAY when viewing a JPEG file, the DVD player goes to full screen mode and the slide show automatically starts.

Notes

- Depending on the file size, the amount of time each picture takes to load may be different.
- If you don't press any button, the slide show starts automatically in about 8 seconds.

CD-R JPEG Disc

- The DVD player can only display files with the ".jpg" and ".JPG" extensions.
- If the disc is not closed, it will take longer to start playing and all the recorded files may not play.
- The DVD player can only play CD-R discs with JPEG files in ISO 9660 or Joliet format.
- The name of the JPEG file may not be longer than 8 characters and should contain no blank spaces or special characters (. / = +).
- The DVD player can only play a consecutively written multi-session disc. If there is a blank segment in the multi-session disc, the DVD player can only play the disc only up to the blank segment.
- A maximum of 500 images can be stored on a single CD.
- Kodak Picture CDs are recommended.
- When playing a Kodak Picture CD, the DVD player can only play the JPEG files in the pictures folder.
- Kodak Picture CD: The DVD player can play the JPEG files in the pictures folder automatically.
- Konica Picture CD: If you want to see the pictures, select the JPEG files in the Clips menu.
- Fuji Picture CD: If you want to see the pictures, select the JPEG files in the Clips menu.
- QSS Picture CD: The unit may not play QSS Picture CDs.
- If the number of files in one Disc is over 500, the DVD player can play only the first 500 JPEG files.
- If the number of folders in one Disc is over 500, only the first JPEG files in 500 folders can be played.

Navigating the setup menu

Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up the parental level, and even adjust the player to the type of television screen you have.

1. With the unit in Stop mode, press the MENU button on the remote control. Press the ◀/▶ buttons to select Setup, and then press the ▼ or ENTER button.
2. Press the ▲/▼ buttons to access the different features. Press the ► or ENTER button to access the sub features.
3. To make the setup screen disappear after setting up, press the MENU button again.
 - ❶ Language Setup Page : Setup of the Language.
 - ❷ Audio Setup Page : Setup of the Audio Options.
 - ❸ Display Setup Page : Setup of the Display Options. Use to select which type of screen you want to watch and several display options.
 - ❹ Parental Page : Setup of the Parental Level. Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.

Note

Depending on the disc, some Setup Menu selections may not work.

Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

Using the Player Language Menu

1. With the unit in Stop mode, press the MENU button.
2. Press the ◀/▶ buttons to select **Language Setup Page**, and then press the ▼ or ENTER button.
3. Press the ▲/▼ buttons to select the desired language, and then press the ► or ENTER button.

Notes

- After you select the language, the screen returns to the Language Setup Page.
- To make the Setup menu disappear, press the MENU button.
- If the language you selected is not recorded on the disc, the player selects the original, pre-recorded language.
- Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
- Select "Automatic" if you want the subtitle language to be the same as the language you selected for the audio language.
- Some discs may not contain the language you select. In that case, the disc will use its original language setting.

Setting Up the Audio Options

Audio Setup options let you to set up the audio device and sound status settings depending on the audio system you are using.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **◀/▶** buttons to select **Audio Setup Page**, and then press the **▼** or **ENTER** button.
3. Press the **▲/▼** buttons to select the desired item, and then press the **▶** or **ENTER** button.

The following describes each option found in the Audio Setup Menu.

- ❶ **Dolby Digital Out**
 - PCM : Converts to PCM(2CH) audio.
 - Bitstream : Outputs Dolby Digital via the digital output.
Select Bitstream when connecting to a Dolby Digital Decoder.
- ❷ **MPEG2 Digital Out**
 - PCM : Converts to PCM(2CH) audio.
 - Bitstream : Converts to MPEG-2 Digital Bitstream (5.1CH). Select Bitstream when using the Digital Audio Output.
- ❸ **Dynamic Range Comp.**
 - On : To select dynamic range compression. This is useful for watching movies late at night, as it balances the loud and quiet portions of a disc.
 - Off : To select the standard range.
- ❹ **PCM Down Sampling**
 - On : Select this when the amplifier connected to the player is not 96KHz compatible.
In this case, the 96KHz signals will be down converted to 48KHZ.
 - Off : Select this when the amplifier connected to the player is 96KHz compatible. In this case, all signals will be output without any changes.
- ❺ **Power On Music**

This menu is used to activate or deactivate the opening sound when you turn on the DVD player

 - On : To turn On Start up music
 - Off : To turn Off Start up music

Notes

- When play a disc that has MPEG Audio and you have Bitstream selected in the Audio Options menu, the Digital Audio jack may not output audio
- There is no output from the analog audio jacks when you play a DTS sound disc.
- Even when PCM Down sampling is Off, some discs will only output down sampled audio through the digital output.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Setting Up the Display Options

Display options enable you to set various video functions of the player.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **◀/▶** buttons to select **Display Setup page**, and then press the **▼** or **ENTER** button.
3. Press the **▲/▼** buttons to select the desired item, and then press the **▶** or **ENTER** button.

The following describes each option found in the Display Setup Menu.

❶ TV Aspect

Depending on a type of television you have, you may want to adjust the screen setting (aspect ratio).

- **4:3 Pan & Scan** : Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)
- **4:3 Letter Box** : Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.
- **16:9 Wide** : You can view the full 16:9 picture on your widescreen TV.

❷ Screen Messages

Use to turn on-screen messages On or Off.

❸ Video Output

Select Video Output.

- I-SCAN : Select when you want to use Component Interlace Out.
- P-SCAN : Select when you want to use Component Progressive Out.
 - If the Yes/No selection in the Display Setup sub Menu is not made within 10 seconds, the screen returns to the previous menu.

❹ Black Level

Adjust the brightness of the screen. (On or Off) It does not function in Progressive mode. This feature only functions in Video Composite mode.

Notes :

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual regarding Progressive Scan settings in the TV's menu system.
- If Video Output is set incorrectly, the screen may be blank.

Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating, which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

Setting Up the Rating Level and Changing the Password

1. With the unit in Stop mode, press the **MENU** button.
2. Press the **◀/▶** buttons to select **Parental Page**, and then press the **▼** or **ENTER** button.
3. Press the **▲/▼** buttons to select **Parental/Password**, and then press the **▶** or **ENTER** button.
4. Press the **▲/▼** buttons to select **Rating Level** you want, then press the **ENTER** button.
e.g) Setting up in KID SAFE.
5. Enter your password. If this is the first time, enter 0000. Then, enter a new password. The new password must be a number other than 0000 to activate the parental control function. Then, re-enter the new password.

Security Levels :

- ① KID SAFE.
- ② G (General Audiences) : All Ages Admitted.
- ③ PG (Parental Guidance suggested) : Some material may not be suitable for young children.
- ④ PG 13 (PG-13 Parents strongly cautioned) : Some material may be inappropriate for children under 13.
- ⑤ PGR (Parental Guide Recommended) : These are not necessarily unsuitable for children, but viewer discretion is advised, and parents and guardians are encouraged to supervise younger viewers.
- ⑥ R (Restricted) : Under 17 requires accompanying adult.
- ⑦ NC17 (NC-17) : No one 17 and under admitted.
- ⑧ ADULT.

Note :

- If you have forgotten your password, see "Forgot Password" in the Troubleshooting section.

Reference

Firmware Upgrade

Introduction

Upgrading the Firmware will keep your DVD player up to date.

The latest firmware version for this unit is provided on the Samsung Website.(www.samsung.com).

How to make an upgrade disc

You must burn the latest firmware version onto a blank CD-R or CD-RW disc :

1. Download a new file from Samsung's website. (www.samsung.com) Download Center.
2. Write the file to disc using CD-RW drive of your computer as data disc.

Notes

The CD should be burned following the spec below.

- File System CD-ROM ISO Level.
- Character set ISO 9660.
- The burned CD has to be Finalized.
- Please burn the CD at a low speed.
- Please make sure the filename C450XEL.BIN
- Please make sure the root folder rename as MEDIATEK

Upgrade procedure

1. Open the disc tray of your DVD-CR. Place the burned disc on the tray. Close the tray. The Firmware upgrade screen will appear.

2. Press the **ENTER** or **PLAY** to start upgrade.
 - Press any other buttons on the remote control or eject the disc to cancel the upgrade.
 - During the firmware upgrade process, the tray will open. Please remove the disc and wait for about 5 minutes.
 - If the DVD Player was successfully updated, the disc tray will close and the unit will turn off and on. When the unit turns on, the Select Menu Language screen will appear.

3. Press the **▲/▼** buttons to select the desired language, and then press the **ENTER** button.

Firmware upgrade menu appears



Firmware upgrade starts

Notes

- If the "Select Menu Language" doesn't appear, please contact Samsung Customer Service.
- Do not press any button or unplug the power cord during the upgrade.
- The upgrade procedure may change, refer to the web site (www.samsung.com).
- When software is upgrade, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.
- Samsung does not assure that all file upgrade discs burned using freeware disc burners will work in the player.

Troubleshooting

Before requesting service, please check the following:

Problem	Action
The screen is blocked	<ul style="list-style-type: none">Press the  button (on the front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.
Forgot password.	<ul style="list-style-type: none">Press the  button (on the panel) for more than 5 seconds with no disc inside. All settings including the password will revert to the factory settings (0000). Don't use this unless absolutely necessary.

Memo

Specifications

General	Power Requirements	AC 120V ~ 60 Hz
	Weight	2.6 lbs
	Power Comsumption	6W (ON), 1W (OFF)
	Dimensions	14.4" (W) X 8,15"(D) X 1.65" (H)
	Operating Temperature Range	+41°F to +95°F
	Operating Humidity Range	10 % to 75 %
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 load) 60Hz
	Component Video	Y : 1.0 Vp-p (75 load) Pr : 0.70 Vp-p (75 load) Pb : 0.70 Vp-p (75 load) I-SCAN & P-SCAN 480p
Audio Output	Output terminal	RCA
	Maximum Output Level	2Vrms
	Frequency Response	20Hz ~ 20Khz
	Digital Audio Output	Coaxial terminal (S/PDIF)

Memo

Memo

Memo

Warranty

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAM-SUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for the following limited warranty period:

One (1) Year Parts / Ninety days (90) Labor

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States, and does not include transportation, installation, removal or reinstallation. Warranty repairs must be performed by SAMSUNG's authorized service center. To receive warranty service, the original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge with new or reconditioned parts, if found to be defective during the limited warranty period specified above. The product must be returned during the warranty period with transportation charges prepaid to SAMSUNG's designated service center. Prior to returning any product for warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. SAMSUNG does not warrant uninterrupted or error-free operation of the product. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; applications and uses for which this product was not intended; failures or problems which are caused by products or equipment not supplied by SAMSUNG; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning or other acts of nature; incorrect electrical line voltage, fluctuations or surges; damage caused by improper or faulty installation; improper connection with any peripheral; product alteration or modification; improper or unauthorized repair; cosmetic damage or exterior finish; product with altered serial numbers; failure to follow operating instructions, customer adjustments, maintenance and environmental instructions that are covered and prescribed in the instruction book; use of non-SAMSUNG or unauthorized parts, supplies, accessories or equipment which damage this product or result in service problems; failures or problems due to incompatibility with other equipment.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT	WRITE
IN THE US	1-800-SAMSUNG (7267864)	www.samsung.com/us	Samsung Electronics America, Inc. 105 Challenger Road Ridgely Park, NJ 07660-0511

Contact SAMSUNG WORLD WIDE

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

Region	Area	Contact 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
	Argentina	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	1-800-110-7267	www.samsung.com/latin
Latin America	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
	Colombia	01-8000112112	www.samsung.com.co
	Belgium	02 201 2418	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
Europe	Czech Republic	800-SAMSUNG (800-726786)	www.samsung.com/cz
	Denmark	8-SAMSUNG (7267864)	www.samsung.com/dk
	Finland	30-6227 515	www.samsung.com/fi
	France	01 4863 0000	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
	Italy	800-SAMSUNG (726-7864)	www.samsung.com/it
	Luxemburg	02 261 03 710	www.samsung.com/lu
	Netherlands	020-1-SAMSUNG (0900-7267864) (€ 0.10/Min)	www.samsung.com/nl
	Norway	3-SAMSUNG (7267864)	www.samsung.com/no
	Poland	0 801 1SAMSUNG (172678), 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-SAMSUNG (902 172 678)	www.samsung.com/es
	Sweden	0771 726 7864 (SAMSUNG)	www.samsung.com/se
	U.K	0845 SAMSUNG (7267864)	www.samsung.com/uk
	Ire	0818 717 100	www.samsung.com/ie
	Austria	0810-SAMSUNG (7267864, € 0.07/min)	www.samsung.com/at
	Switzerland	0848-SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr (French)
CIS	Russia	8-800-555-55-55	www.samsung.ru
	Kazakhstan	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 www.samsung.com/ua_ru
	Belarus	810-800-500-55-500	
	Moldova	00-800-500-55-500	
	Lithuania	8-800-77777	www.samsung.com/lt
	Latvia	8000-7267	www.samsung.com/lv
	Estonia	800-7267	www.samsung.com/ee
	Australia	1300 382 808	www.samsung.com/au
	New Zealand	0800 SAMSUNG (0800 726 786)	www.samsung.com/nz
Asia Pacific	China	400-810-5858, 010-8475 1880	www.samsung.com/cn
	Hong Kong	3698-4698	www.samsung.com/hk
	India	3030 8282, 1800 110011, 1800 3000 8282	www.samsung.com/hk_en/ 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	1-800-10-SAMSUNG (726-7864), 1-800-3-SAMSUNG (726-7864), 1-800-8-SAMSUNG (726-7864), 02-5806777	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	1 800 888 889	www.samsung.com/vn
	Turkey	444 77 11	www.samsung.com/tr
	South Africa	0860-SAMSUNG (726-7864)	www.samsung.com/za
Middle East & Africa	U.A.E	800-SAMSUNG (726-7864), 8000-4726	www.samsung.com/ae

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