

SA3020

SA3021



Congratulations on your purchase  
and welcome to Philips!  
To fully benefit from the support that  
Philips offers, register your product  
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Digital audio video player

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# Need help?

Please visit

[www.philips.com/welcome](http://www.philips.com/welcome)

where you can access a full set of supporting materials such as user manual, the latest software updates and answers to frequently asked questions.

# Contents

1	Important safety information	2
2	Your new player	6
2.1	What's in the box	6
2.2	Register your product	6
3	Getting started	7
3.1	Overview of controls and connections	7
3.2	Main menu	8
3.3	Install	8
3.4	Connect and charge	9
3.4.1	Use the supplied USB cable	9
3.4.2	Battery level indication	9
3.5	Transfer	10
3.5.1	Disconnect your player safely	10
3.6	Enjoy	10
3.6.1	turn on and off	10
3.6.2	Navigate the menu	10
3.6.3	Lock slider	10
4	Detail operation	11
4.1	Music mode (also play mode for recordings)	11
4.1.1	Control	11
4.1.2	Find your music	11
4.2	Picture library	12
4.2.1	Transfer pictures from your computer to your player	12
4.2.2	View pictures	12
4.2.3	Slideshow	12
4.3	Video	13
4.3.1	Transfer videos from a computer to the player	13
4.3.2	Media Converter	13
4.3.3	Video play	14
4.4	Recordings	15
4.4.1	Play recordings	15
4.4.2	Delete your recording	15
4.4.3	Upload recordings to the computer	16
4.5	Settings	17
4.6	Use your player to store and carry data files	17
5	Update your player	18
5.1	Manually verify software status	18
6	Technical data	19
7	Frequently asked questions	21

# I Important safety information

## General maintenance

### To avoid damage or malfunction:

- Do not expose the player to excessive heat caused by heating equipment or direct sunlight.
- Do not drop your player or allow objects to fall on your player.
- Do not allow your player to be submerged in water. Do not expose headphone socket or battery compartment to water, as water entering the set may cause major damage.
- Do not use any cleaning agents containing alcohol, ammonia, benzene, or abrasives as these may harm the set.
- Active mobile phones in the vicinity may cause interference.
- Back up your files. Please ensure that you retain the original files you have downloaded to your device. Philips is not responsible for any loss of data if the product becomes damaged or not readable / legible.
- Manage (transfer, delete, etc.) your music files only with the supplied music software to avoid problems!

### About operating and storage temperatures

- Operate in a place where temperature is always between 0 and 35°C (32 to 95°F)
- Store in a place where temperature is always between -20 and 45°C (-4 to 113°F)
- Battery life may be shortened in low temperature conditions.

### Replacement parts/accessories

Visit [www.philips.com/support](http://www.philips.com/support) to order replacement parts/accessories.

## Hearing Safety

### Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss. 
- Sound can be deceiving. Over time your hearing “comfort level” adapts to higher volumes of sound. So after prolonged listening, what sounds “normal” can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

### To establish a safe volume level:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

### **Listen for reasonable periods of time:**

- Prolonged exposure to sound, even at normally “safe” levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

### **Be sure to observe the following guidelines when using your headphones.**

- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

### **Important (for models supplied with headphones):**

Philips guarantees compliance with the maximum sound power of its audio players as determined by relevant regulatory bodies only with the original model of provided headphones. In case this one needs replacement, we recommend that you contact your retailer to order a model identical to that of the original, provided by Philips.

## **Copyright information**

All other brands and product names are trademarks of their respective companies or organizations.

Unauthorized duplication of any recordings whether downloaded from the Internet or made from audio CDs is a violation of copyright laws and international treaties.

The making of unauthorized copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

The Windows Media and the Windows logo are registered trademarks of Microsoft Corporation in the United States and/or other countries.

## Data logging

Philips is committed to improving the quality of your product and enhancing the Philips user experience. To understand the usage profile of this device, this device logs some info / data to the non-volatile memory region of the device. These data are used to identify and detect any failures or problems you as a user may experience while using the device. The data stored, for example, will be the duration of playback in music mode, duration of playback in turner mode, how many times battery low was encountered, etc. The data stored do not reveal the content or media used on the device or the source of downloads. The data stored on the device are retrieved and used **ONLY** if the user returns the device to the Philips service centre and **ONLY** to simplify error detection and prevention. The data stored shall be made available to user on user's first request.

## Disposal of your old product



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.

Please be informed about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old product with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

The build-in rechargeable battery contains substances that may pollute the environment. Always hand the appliance in at an official collection point to remove the battery before discarding the appliance. Battery should be disposed of at an official collection point.

## Modifications

Modifications not authorized by the manufacturer may void user authority to operate this device.

# Notice for USA

Note:

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 instruction manual, may cause harmful interference to radio communications.



However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

# Notice for Canada

This Class B digital apparatus complies with Canadian ICES-003.

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

# Notice for the European Union

This product complies with the radio interference requirements of the European Union.

# 2 Your new player

With your newly purchased player, you can enjoy the following:

- MP3 and WMA playing
- Picture viewing
- Video playing
- Voice recording

## 2.1 What's in the box

The following accessories are included with your player:



Player



Headphones



USB cable



Quick start guide



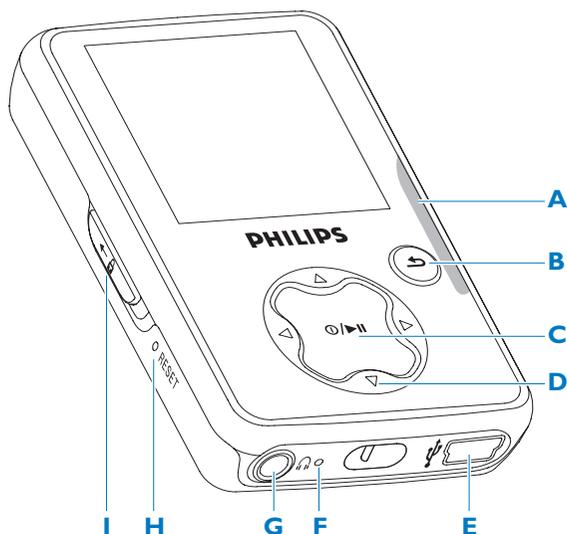
CD-ROM containing Philips Device Manager, Philips Media Converter, User Manual and Frequently Asked Questions

## 2.2 Register your product

We strongly recommend that you register your product in order to gain access to free updates. To register your product, please log on to [www.philips.com/welcome](http://www.philips.com/welcome) so that we can inform you as soon as new updates become available.

# 3 Getting started

## 3.1 Overview of controls and connections



<b>A</b>	- VOL +	Increases/decreases volume (hold to increase/decreases fast)
<b>B</b>		Shows previous/last viewed / root display
<b>C</b>		On / Off / Play/Record / Pause / Confirm selection
<b>D</b>		Skips backward / Fast backward (hold to quick skip)
		Skips forward / Fast forward (hold to quick skip)
		Scrolls up/down (hold to quick scroll)
<b>E</b>		USB connector
<b>F</b>		Microphone
<b>G</b>		Headphones jack
<b>H</b>	RESET	
<b>I</b>	slider	Hold slider to lock/unlock all keys (except Vol+ / Vol-)

## 3.2 Main menu

Menu	To
 Music	Play your digital music tracks
 Pictures	View pictures
 Videos	Watch your videos
 Recording	Create or listen to recordings
 Settings	Customize the settings of your player

## 3.3 Install

 **Important** Make sure to install the software provided in the supplied CD for music and video transfer.

System requirements:

- Windows 2000, XP or Vista
- Pentium III 800MHz processor or higher
- 128MB RAM
- 500MB hard disk space
- Internet connection (preferable)
- Microsoft Internet Explorer 6.0 or later
- CD-ROM
- USB port

- 1 Insert the CD supplied with your product into the CD ROM drive of your PC.
- 2 Follow the on-screen instructions to complete the installation of **Philips Device Manager** and **Philips Media Converter**. The Philips Media Converter converts video clips and JPEG pictures into suitable formats for the player.
- 3 If the installation program does not start automatically, browse the CD contents with **Windows Explorer** and double click on the file ending with .exe.

Lost your CD? Don't worry, you can download the CD contents from [www.philips.com/support](http://www.philips.com/support).

## 3.4 Connect and charge

When you connect the player to the PC, it automatically charges.

### 3.4.1 Use the supplied USB cable

- 1 Before you use the player for the first time, charge it for at least 5 hours.
  - > The battery\* has a 100% charge after 4 hours and an 80% charge after 2 hours.



- 2 Connect the supplied USB cable to the mini USB port at the bottom of the player, the other end to your PC.
  - > The player will start to charge as soon as it is connected to your PC.

**Note** The player is fully charged when the charging animation stops and  is displayed. Your fully charged player will allow up to 12 hours\* of music playback.

### 3.4.2 Battery level indication

The approximate power levels of your battery are indicated as follows:



**Note** When the batteries are almost empty, the low battery screen  blinks. The player saves all settings and unfinished recordings and switches off in less than 60 seconds.

\* Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.

## 3.5 Transfer

The player appears as a USB mass storage in **Windows Explorer**. You can organize files, transfer music and pictures to your player during USB connection. Use **Philips Media Converter** to transfer video file. See **Media Converter** for details.

- 1 Click and highlight one or more songs to transfer between the player and the computer.
- 2 Use drag and drop actions to complete your transfer.

✳ **Tip** To transfer music CDs to the player use software such as Musicmatch Jukebox or Windows Media Player, rip (convert) the songs on your music CD into MP3/WMA files. Copy the files into the digital audio player via Windows Explorer. Free versions of these programs can be downloaded from the internet.

### 3.5.1 Disconnect your player safely

- 1 Exit any active application working with your player.
- 2 Remove your player safely by clicking  in the task tray shown in your PC.

## 3.6 Enjoy

### 3.6.1 turn on and off

To turn on, press **▶II** until the display shows the Philips welcome.

To turn off, press and hold **▶II** until the display is off.

✳ **Tip** If the player is in stop mode and no button is pressed for 10 minutes, it switches off automatically.

### 3.6.2 Navigate the menu

Your player has an intuitive menu navigation system to guide you through various settings and operations.

Goal	Action
Return to previous menu	Press 
Return to main menu	Press and hold 
Browse through menus	Press <b>▶II</b> or 
Scroll through a list	Press <b>▲</b> or <b>▼</b>
Select an option	Press <b>▶II</b>

### 3.6.3 Lock slider

The player has a lock switch to prevent any accidental operation.

- 1 To lock the buttons when you play, move the lock slider to position .  
> All buttons except **-VOL+** are locked and the display shows .
- 2 To unlock the buttons again, move the lock slider to position .

# 4 Detail operation

## 4.1 Music mode (also play mode for recordings)

Your player supports MP3 and WMA formats.

### 4.1.1 Control

The player offers the following music mode options:

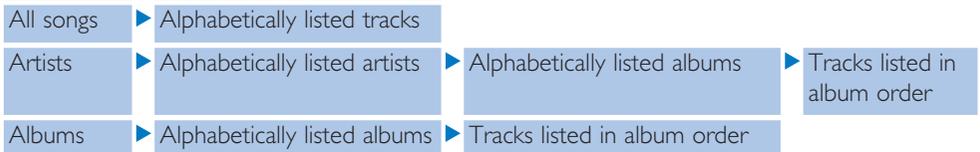
Goal	Action
Play / Pause music	Press ►
Skip to next audio file	Press ►
Return to previous audio file	Press ◀
Fast forward	Press and hold ►
Fast rewind	Press and hold ◀
Return to browsing menu	Long/short press ↶
Increase volume	Press VOL +
Decrease volume	Press VOL -

### 4.1.2 Find your music



- 1 From the main menu, select  to enter music mode.

The player offers the following menu options:



- 2 Press ▲ or ▼ to scroll through the list.
- 3 Press ►|| to select or press ↶ to return to previous level.
- 4 Press ►|| to play.

 **Note** This player does not support copy right protected (Digital Rights Management – DRM) WMA songs bought from the Internet.

## 4.2 Picture library

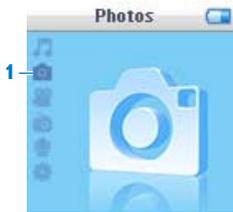
### 4.2.1 Transfer pictures from your computer to your player

- 1 Connect the player to the computer.
- 2 Drag and drop your pictures to the **PICTURE** folder of your player.

✱ **Tip Philips Media Converter** converts the JPEG picture files to enhance viewing quality.

### 4.2.2 View pictures

The player supports JPEG graphics and provides a slide show function.



- 1 From the main menu, select  to enter Picture mode.
- 2 Press  or  to browse through picture thumbnails.
- 3 Press  to see the picture in full view..
- 4 During full screen browsing, press  or  to move to next or previous picture.

### 4.2.3 Slideshow

A slideshow displays all pictures in full view. It moves to the next picture at a specified interval.

To start a slideshow in thumbnails or full screen browse mode, press .

To cancel the slideshow, press .

## 4.3 Video

### 4.3.1 Transfer videos from a computer to the player

The player supports the .SMV video formats. For other video formats, use the **Media Converter** on the supplied CD to transfer to your player.

### 4.3.2 Media Converter

The **Philips Media Converter** converts video clips and JPEG pictures into suitable formats for the player. You can install the software from the supplied CD.

Supported file types for the conversion includes:

- .wmv
- 1 To launch the **Philips Media Converter** on your PC, click **Start > Programs > Philips Media Converter**.
  - 2 Connect player to PC.



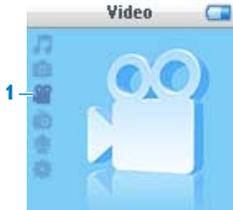
- 3 Click  to select the video files you want to convert. Or simply drag and drop the video files from **Window Explorer** to the converter.
- 4 Click  if you want to remove the files from the list.
- 5 Click  to start conversion.

 **Tip** To check the list of video formats that the converter supports, click **Support file format** in the Help menu.

 **Note** In the event of an error, you can obtain information about the error when you move the mouse pointer over the icon .

### 4.3.3 Video play

You can play video clips that are stored on the player.



- 1 From the main menu, select  to enter Video mode.
  - > A list of video files stored on the player is displayed.
- 2 Press  or  to select the file and press  to play.
- 3 Short press  to go back to the previous menu, and long press  to return to the main menu.

## 4.4 Recordings

You can record audio with the player. The section **Overview of controls and connections** shows you the location of the microphone.



- 1 From the main menu, select .
- 2 Select **Start recording** to start recording from the microphone.  
> *The player records and shows the recording display.*
- 3 Press to pause.
- 4 Press to stop and save the recording.  
> *Your recording will be saved on the player. (Filename format: VOICEXXX.WAV where XXX is the recording number which will be automatically generated.)*
- 5 You can find this file under > **Recordings Library**.

### 4.4.1 Play recordings

From the main menu, select > **Recordings Library**.

- 1 Select the recording you want to hear.
- 2 Press to confirm.

### 4.4.2 Delete your recording

Use your computer when you delete recordings on the computer.

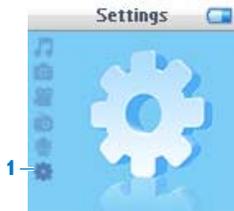
- 1 Connect the player to the computer.
- 2 Select the player in **Window Explorer**.
- 3 Double click the **VOICE** folder
- 4 Select the files your want to delete and press **Delete** on the computer.

### 4.4.3 Upload recordings to the computer

- 1 Connect the player to your computer.
- 2 Select the player in **Windows Explorer**.
  - > *The **Voice** folder contains the recordings.*
- 3 Copy and paste the recordings to any desired location on the computer.

## 4.5 Settings

You can set preferences in your player to suit your needs.



- 1 Press  and select .
- 2 Press  or  to select an option.
- 3 Press  to go to next level or  to return to previous level.
- 4 Press  to confirm your selection.
- 5 Press  to exit the **Settings** menu

In the Settings menu, the following options are available:

Settings	Further Options
Play mode	Off / Repeat 1 / Repeat all / Shuffle all / Repeat & shuffle
Equalizer	Off / Rock / Funk / Jazz / Classical / Hip Hop / Dance
Slideshow settings	3 / 5 / 10 seconds
Language	English / German / Dutch / French / Spanish / Portuguese / Portuguese (Brazilian) / Italian / Swedish / Russian / Polish / Finnish / Norwegian / Hungarian / Simplified Chinese / Traditional Chinese / Japanese / Korean
Backlight timer	Always on / 5 sec / 15 sec / 30 sec
Factory settings	Restore to default factory settings
Information	Capacity / Free space / Firmware version

## 4.6 Use your player to store and carry data files

You can use your player to store and carry data files by copying data files into your player with **Windows Explorer**.

# 5 Update your player

Your player is controlled by an internal program called the firmware. Newer versions of the firmware may have been released after you have purchased your player.

A software program called **Philips Device Manager** checks for firmware updates that are available on the Internet.

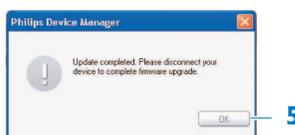
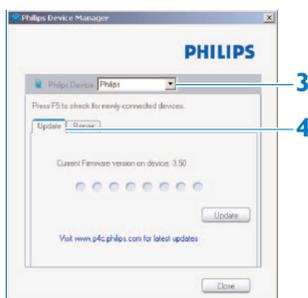
Install **Philips Device Manager** from the supplied CD or download the latest version from [www.philips.com/support](http://www.philips.com/support).

## 5.1 Manually verify software status

- 1 Make sure you are connected to the internet.
- 2 Connect your player to the computer.
- 3 To launch **Philips Device Manager** on the computer, click **Start > Programs > Philips Digital Audio Player > SA30XX > Philips SA30XX Device Manager**.



- 4 Click **Update**.



- > **Philips SA30XX Device Manager** checks for updates and installs new firmware, if it is available on the Internet.
- 5 When the display shows **Update completed**, click **OK**.
  - 6 Disconnect the player from the computer.
- > The display shows **Updating firmware**.  
The player automatically restarts after the firmware is updated. Your player is now ready for use again.

# 6 Technical data

## Power

- Power supply  
310mAh Li-ion internal rechargeable battery\*

## Display

- White backlight LCD, 128 x 128 pixels, 65K colors

## Sound

- Channel separation: 40dB
- Equalizer setting:  
Off / Rock / Funk / Jazz / Classical / Hip Hop / Dance
- Frequency response: 80-18000Hz
- Signal to noise ratio: > 80dB
- Output Power (RMS): 2x3mW

## Audio playback

- Compression format: MP3 (8-320kps and VBR, Sample rates: 8, 11.025, 16, 22.050, 24, 32, 44.1, 48kHz), WMA (32-192kbps, Sample rates: 8, 11.025, 16, 22.050, 24, 32, 44.1, 48kHz)
- Play time: 12 hours\*
- ID3-tag support

## Video playback

- .SMV format (other formats to be supported by provided Media Converter)
- 11 frames per sec., 128 x 128 pixels

## Media converter

- Support format:  
.bmp, .jpg, .wmv.

## Recording

- Audio Capturing: Build-in microphone (Mono)

## Storage media

- Built-in memory capacity:  
SA301x 1GB NAND Flash+  
SA302x 2GB NAND Flash+  
SA304x 4GB NAND Flash+

## Connectivity

- Headphone 3.5mm, USB 2.0 (full speed)++

## Music transfer

- Drag and drop in Windows Explorer

## Video and picture transfer

- Via Philips Media Converter

## Data transfer

- Via Windows Explorer

## System requirements

- Windows® 2000, XP, Vista
- Pentium III 800MHz processor or higher
- 128MB RAM
- 500MB hard disk space
- Internet connection
- Microsoft Internet Explorer 6.0 or later
- Video display card
- Sound card
- CD-ROM
- USB port

- \* Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.*
- + 1MB = 1 million bytes; available storage capacity will be less.  
1GB = 1 billion bytes; available storage capacity will be less.  
Full memory capacity may not be available as some memory will be reserved for the player.  
Storage capacity based on 4 minutes per song and 64kbps WMA encoding.*
- ++ Actual transfer speed may vary based on your operating system and software configuration.*

# 7 Frequently asked questions

If you encounter problems with your player, go through the following points listed in the next section. Please also check out FAQs at [www.philips.com/support](http://www.philips.com/support) for further help and other troubleshooting tips.

Consult your dealer or service center if you are unable to find a solution by following these hints.

 **Warning** Under no circumstances should you try to repair the set yourself, as this will invalidate the warranty.

## My player cannot power on.

- You may have failed to press and hold ►|| long enough. Press and hold ►|| until the Philips welcome screen appears on display.
- Your device battery may be out of power due to long period of non-usage. Please charge your player.

**If none of the above works, then you may have to use the Device Manager to recover your player:**

- 1 Launch the **Philips Device Manager** at **Start > Programs > Philips Digital Audio Player > SA30XX > Philips SA30XX Device Manager** on your PC.
- 2 Press and hold the ►|| button while your player is connecting to the PC.
- 3 Keep holding the key until the **Philips Device Manager** acknowledges your player and goes into recovery mode.
- 4 Click the **repair** button and follow the instructions given by the **Device Manager**.
- 5 After the player has been repaired, disconnect it from your PC and re-start.

## There is no music on my player after transfer.

### Are your songs in MP3 or WMA format?

Other formats will not playback on the player.

## There is no picture on my player after transfer.

### Are your pictures in JPEG format?

Pictures in other formats cannot be transferred to your player.

## There is no video on my player after transfer.

Make sure you use the media converter (provided in the CD Rom) to convert the video clips into the readable format to the player.

If you transfer these converted video files into your PC, please move them into the **VIDEO** folder of your player otherwise your player cannot read the video clip.

## My player hangs.

- 1 In the unlikely event that your player hangs, do not panic. Insert a small pin or other sharp object into the reset hole located at the left of the player. Hold until the player shuts down.

 **Note** The existing contents on your player will not be erased.

- 2 If nothing happens, recharge the battery for at least 4 hours and try to power on or reset again. If this does not work, you might have to repair your player with **Philips Device Manager**.

## There is no sound.

Make sure your headphones are inserted all the way into the headphones jack.

## Some songs do not show up or playback on the player.

- This player does not support copyright protected (DRM) WMA tracks bought from on-line music stores, only unprotected WMA files can be played back on this player. The song is in a format that is not supported by the player. Only MP3, WMA are supported.
- The audio file might be corrupted, try to playback the file on your PC first. If it does not play, rip the song again.

PHILIPS reserves the right to make design and specification changes for product improvement without prior notice.



 Be responsible  
Respect copyrights

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