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GoGear

SA2SPK02

SA2SPK04

SA2SPK08



EN **User manual**

PHILIPS

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English

Need help?
Please visit
www.philips.com/welcome
where you can access a full set of supporting materials such as the user manual, the latest software updates, and answers to frequently asked questions.

1 Important safety information

General maintenance

The translation of this document is for reference only.
In the event of any inconsistency between the English version and the translated version, the English version shall prevail.

Caution

- To avoid damage or malfunction:
- Do not expose the product to excessive heat caused by heating equipment or direct sunlight.
- Do not drop the product or allow objects to fall on your player.
- Do not allow the product to be submerged in water. Do not expose headphone socket or battery compartment to water, as water entering the set may cause major damage.
- Active mobile phones in the vicinity may cause interference.
- Back up your files. 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.
- Do not use any cleaning agents containing alcohol, ammonia, benzene, or abrasives as these may harm the product.

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 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.

Modifications

Modifications not authorized by the manufacturer may void user's authority to operate the product.

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.

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Philips respects the intellectual property of others, and we ask our users to do the same.

Multimedia content on the internet may have been created and/or distributed without the original copyright owner's authorization.

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Compliance with copyright laws remains your responsibility.

The recording and transfer to the portable player of video streams downloaded to your computer is intended only for use with public domain or properly licensed content. You may only use such content for your private, non-commercial use and shall respect eventual copyright instructions provided by the copyright owner of the work. Such instruction may state that no further copies shall be made. Video streams may include copy protection technology that prohibits further copying. For such situations the recording function will not work and you will be notified with a message.

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 center and ONLY to simplify error detection and prevention. The data stored shall be made available to user on user's first request.

Monkey's Audio decoder

1. The Monkey's Audio SDK and source code can be freely used to add APE format playback, encoding, or tagging support to any product, free or commercial. Use of the code for proprietary efforts that don't support the official APE format require written consent of the author.
2. Monkey's Audio source can be included in GPL and open-source software, although Monkey's Audio itself will not be subjected to external licensing requirements or other viral source restrictions.
3. Code changes and improvements must be contributed back to the Monkey's

Audio project free from restrictions or royalties, unless exempted by express written consent of the author.

4. Any source code, ideas, or libraries used must be plainly acknowledged in the software using the code.

5. Although the software has been tested thoroughly, the author is in no way responsible for damages due to bugs or misuse.

If you do not completely agree with all of the previous stipulations, you must cease using this source code and remove it from your storage device.

FLAC decoder

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XPAT XML Parser

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd

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IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Recycling the product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:



Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

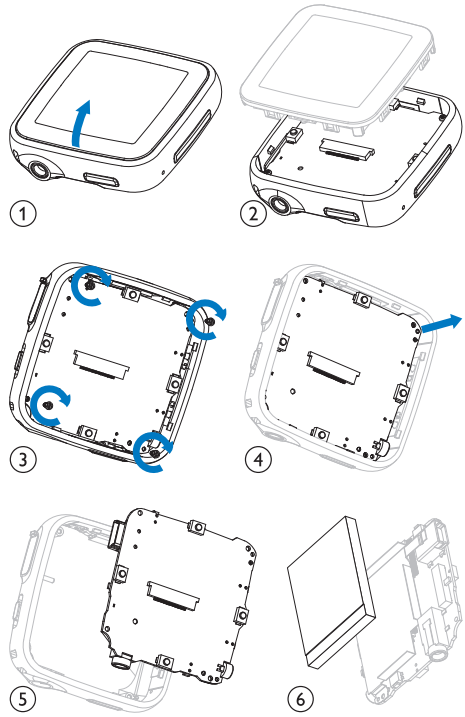
Warning

- For products with "non-exchangeable" built-in batteries: The removal of (or the attempt to remove) the battery invalidates the warranty. This procedure is only to be performed at the end of the product's life.

Your product contains a built-in rechargeable battery covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.



To safeguard the functionality and safety of your product, take your product to an official collection point or service center where a professional can remove the battery as shown:



Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

Notice for the European Union

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

2 Your new SPARK

Use SPARK to
- play audio files
- view pictures
- listen to FM radio
- make recordings

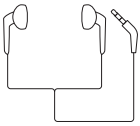
What's in the box

Check that you have received the following items:

Player



Earphones



USB cable



Quick start guide



Note

- The images serve as reference only. Philips reserves the right to change color/design without notice.

Software loaded on the player

SPARK comes with the following software:
- Philips Device Manager (helps you get firmware updates for SPARK)

Files loaded on the player

The following files are loaded on **SPARK**:
- User manual
- Frequently asked questions

3 Get started

Charge power

SPARK has a built-in battery that can be charged through the USB connector of a computer.
Connect the player to a PC by using the USB cable.

Note

- When you connect **SPARK** to a computer, you are briefly prompted to select: **[Charge & transfer]** or **[Charge & play]**. If no option is selected, **[Charge & transfer]** applies.
- To play the **SPARK** when you charge power, select **[Charge & play]**.

Battery level indication

The display indicates the approximate levels of the battery status as follows:

100%	75%	50%	25%	0%

↳ A flashing battery screen indicates that the battery is low. The player saves all settings and switches off within 60 seconds.

Note

- Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.
- The charging animation stops and the icon is displayed when the charging process is completed.

To conserve battery power and increase the play time, do the following on SPARK:

- Set the backlight timer to a low value (go to ⚙ > **[Display settings]** > **[Backlight timer]**).

First-time setup

The first time you connect **SPARK** to a PC, install **Philips Device Manager** on the PC. Over the Internet, you can update the firmware of the player through **Philips Device Manager**. When you connect the SPARK to the PC for the first time, a pop-up window appears:

1. Select **InstallPhilips Device Manager**.
2. Follow the on-screen instructions to complete the installation of the software.

Note

- The installation requires you to agree to the license terms.

If the pop-up window is not displayed automatically:

1. Select **My Computer** (Windows XP / Windows 2000) / **Computer** (Windows Vista / Windows 7).
2. Right click on the **Philips GoGear** SPARK icon.
3. Select **Install Philips Device Manager**.
4. Follow the on-screen instructions to complete the installation of the software.

Note

- The installation requires you to agree to the license terms.

Turn SPARK on and off

1 To toggle between modes on and off, slide and hold ⏻ for approximately 2 seconds.

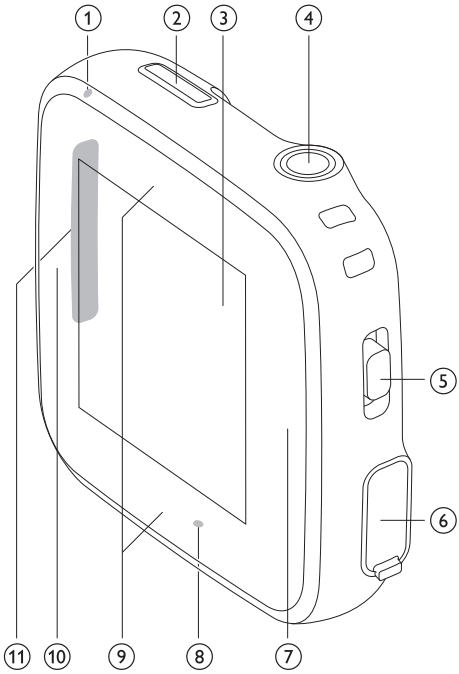
Automatic shut-down

SPARK has an automatic shut-down feature that can save battery power.
After 10 minutes in idle mode (no music plays, no button is pressed), SPARK turns off.

1 Slide and hold ⏻ for approximately 2 seconds to turn SPARK on again.

4 Overview

Controls



1	MIC	microphone
2	OPTIONS	press: on the play screen, view the options menu
3		display
4		headphone jack
5		slide here and hold turn SPARK on / off
		slide: lock / unlock all keys (except volume)
6		mini USB connector
7	▶	play/pause / record confirm selection go to the next screen
8	RESET	reset
9	▲ / ▼	press: navigate back/forward / scroll up/down press and hold: rewind/fast forward / scroll up/down quickly
10		press: go to the previous screen press and hold: return to the root menu
11	− VOL +	press: increase/decrease the volume press and hold: increase/ decrease the volume quickly

Home screen (main menu)

Menu	Mode	To
	Music	play digital audio tracks
	Pictures	view pictures
	FM radio	listen to FM radio
	Recording	create or listen to recordings
	Folder view	view files in folders
	Personalize	personalize the look of SPARK
	Settings	customize the settings of SPARK
	Now playing	show the current play screen

Navigate from the Home screen

- From the Home screen, you can access functional menus by pressing the navigation buttons ▲ / ▼ and ▶II.
- To go back to previous screens, press ⮌ repeatedly; or, press and hold ⮌ to return to the Home screen.

Switch between the Home screen and play screen

On the Home screen,

During music play or radio play,

- Press ⊙.

On the play screen,

- Press and hold ⮌.

Lock the keys

SPARK has a lock switch to prevent accidental operation.

1. To lock the buttons when you play, move the slider to position 🔒.
   ↳ All buttons except the volume keys are locked and the display shows a lock icon.
2. To unlock the buttons again, move the slider to the center position.

Caution

- Listening to loud sounds for longer than a moment can be harmful to the listener.

You can set the volume level of SPARK to limit the maximum volume output.

1. From the main menu, select **[Settings]>[Sound settings] > [Volume limit].**
2. Press the − / + volume controls to adjust the level.
3. Press ▶ to confirm.
   ↳ When you set a volume limit, SPARK can no longer exceed the set volume, even if you press the volume + button.

To enable maximum volume again:

1. Select **[Settings]** > **[Sound settings]** >**[Volume limit].**
2. Set the volume limit to maximum.
3. Press ▶ to confirm.

5 Music

Manage music on PC

Organize your music files

Organize music files by song information
If the files contain song information (meta data or ID3 tag), the files can be sorted automatically by Song title, Artist, or Album on **SPARK**.
Launch media management software to check or edit the file information. For example, click as shown in **Windows Media Player 11**. Select the desired song, and then, double click it to edit.



Organize music files by file folder
You can also organize music files in different folders as desired.

Transfer files in Windows Explorer

1. Connect **SPARK** to a PC.
2. On the PC, under **My Computer** or **Computer**,
   - Find **SPARK**;
   - Find the desired music files/folders.
3. From the PC, drag and drop music files/folders to **SPARK**.

Find music on the player

Find music by song information

From the Home screen, select ♫ to find music by song information (meta data or ID3 tag) (see 'Organize your music files' on page 14):

[All songs]
- Songs are sorted by song title in alphabetical order.

[Artists]
- Songs are sorted by artist in alphabetical order;
- Under each artist, songs are sorted by album in alphabetical order.

[Albums]
- Songs are sorted by album in alphabetical order.

[Genres]
- Songs are sorted by genre, such as pop, rock.

Find music by file folder

From the Home screen, select ■ to find music by file folder (see 'Organize your music files' on page 14).

Play music

1 Select a song.
2 Press ▶ to start play.
↳ Play starts from current song.

On the play screen,

- Press ▶ to pause and resume play.
- To go to the previous screen, press ⮌.
  ↳ The play screen returns a few seconds later.
  ↳ On the play screen, you can see the file information and play status.

To select a music file on the play screen,

- Repeatedly press ▲ / ▼.

To rewind or fast forward within current song,

- On the play screen, press and hold ▲ / ▼.

Select play options

On the play screen, press **OPTIONS** to select play options, such as play mode and sound settings (see 'Settings' on page 21).

Playlists

With a playlist, you can access a list of songs from different genres, artists or albums.
In ♫ > **[Playlists]**, you can find the following playlists:

- three playlists-on-the-go for you to add songs on the player.

Add songs to a playlist-on-the-go

1 Play a song.
2 On the play screen,
- press **OPTIONS** and select **[Add to playlist]**.

3 Select a playlist-on-the-go. Press ▶.
↳ You save current song to the playlist.

Remove songs from a playlist-on-the-go

Remove current song from a playlist

1 On the play screen, press **OPTIONS** > **[Remove from Playlist]**.
2 Select a playlist-on-the-go. Press ▶.
↳ You remove current song from the selected playlist.

Remove all the songs in a playlist

1 In ♫ > **[Playlists]**, select **[Clear playlist]**.
2 Select a playlist-on-the-go. Press ▶.
↳ You remove all the songs from the playlist.

Delete songs from the player

To delete current song during play,

- On the play screen, press **OPTIONS** and select **[Delete]**.
  ↳ Current song is deleted from the player.

6 Pictures

Add pictures to the player

1 Connect **SPARK** to a computer.
2 On the PC, under **My Computer** or **Computer**,
   • select **SPARK**, and create file folders.
3 On the PC, drag and drop files to the file folders on the **SPARK**.
   • Alternatively, drag and drop file folders from the PC to **SPARK**.

Find pictures on the player

Find pictures by file name

• Go to .
   ↳ Pictures are listed by file name in alphabetical order.

Find pictures by file folder

• Go to .
   ↳ Pictures are organized by file folder as on the PC.

View pictures

1 From the main menu, select to enter the picture mode.
2 Press ▲ / ▼ to select a picture.
   • Press to go back one level.
   • Press and hold to return to the main menu.

View slideshow

While in mode, you can view your pictures as a slideshow:

1 Press ▶ to start the slideshow.

Tip

• You can change the slideshow settings in the settings menu .

Delete pictures from the player

1 Play a picture.
2 On the play screen,
   • press **OPTIONS** and select **[Delete]**.
   ↳ Current picture is deleted from the player.

7 FM radio

Note

- Plug in the supplied earphones when you tune in to radio stations. The earphones double as antenna. For better reception, move the earphone cable in different directions.

Tune in to radio stations

Auto tune

The first time you tune in to the radio, start Auto tune to search for stations.

1. From the Home screen, go to .
2. Press ▶ to start Auto tune.
   ↳ Up to 20 stations are stored as presets.
3. Press ▲ or ▼ repeatedly to select a preset station. Press ▶ to start play.
4. To restart Auto tune,
   - On the play screen, press **OPTIONS** and select **[Auto tune]**.

To select a preset on the play screen,

- Press ▲ or ▼ repeatedly.

Tip

- When you move to a new place (such as a new city or country), restart auto tune for better reception.

Manual tune

Use Manual tune to search for a frequency or station.

1. On the play screen, press **OPTIONS** and select **[Manual tuning]**.
2. On the play screen, press and hold ▲ or ▼.
   ↳ You tune in to the next station from current frequency.
   - For fine tuning, press ▲ or ▼ repeatedly.

Listen to the FM radio

1. Go to .
2. Press ▲ or ▼ to select a preset station. Press ▶ to start play.
   - Press ⮌ to select another preset station from the list of presets. Press ▶ to start play.
   - On the play screen, press ▲ or ▼ to select a preset.
3. If necessary, press and hold ▲ or ▼ to tune in to a radio station.
   ↳ You tune in to the next station from current frequency.

To mute or unmute the radio play,

- On the play screen, press ▶.

Store preset stations

On **SPARK**, you can store up to 20 preset stations.

1. Tune in to a radio station:
   - On the play screen, press and hold ▲ or ▼.
2. On the play screen, press ▶.
3. Press ▲ or ▼ to select a location in the list of presets. Press ▶.
   ↳ Current station is saved to the location.

To remove current preset station,

1. On the play screen, press **OPTIONS** and select **[Remove preset]**.
   ↳ In the list of presets, current station is selected.
2. Press ▶. Select **[Yes]**.
   ↳ Current station is removed from the list of presets.

English

8 Recordings

Make recordings

With **SPARK**, you can record:

- voices or audio through the built-in microphone; or
- radio programs when the radio plays on the player.

Record audio/voices

1. In , select **[Start voice recording]**.
   ↳ Recording screen appears.
2. Ensure that the microphone is close to the sound source to be recorded.
3. Press ▶ to toggle between pause and record. Press ⮌ to stop.
4. Select **[Yes]** to save the recording.
   ↳ Recordings are saved to > **[Recordings Library]** > **[Voice]**. (Filename format: VOICEXXX.MP3, where XXX is the recording number that is generated automatically.)

Record from the FM radio

1. In , tune in to a radio station.
2. On the play screen, press **OPTIONS** and select **[Start FM radio recording]**.
   ↳ You start recording from the FM radio.
3. Press ▶ to toggle between pause and record. Press ⮌ to stop.
4. Select **[Yes]** to save the recording.
   ↳ Recordings are saved to > **[Recordings library]** > **[FM radio recordings]**. (Filename format: FMRECXXX.MP3, where XXX is the recording number that is generated automatically.)

Note

- The feature of FM radio recording is available with some versions only. Refer to the onscreen menu of the player to find out which features are available to you.

Listen to recordings

Listen to FM radio* recordings:

1. From the menu select **[Recordings library]** > **[FM radio]**.
2. Select a recording.
3. Press ▶ to play your recording.

Note

- * FM radio recording feature is available with some versions only. Refer to the on-screen menu of SPARK to find out which features are available to you.

Listen to voice/audio recordings:

1. From the menu select **[Recordings Library]** > **[Voice]**.
2. Select a recording.
3. Press ▶ to play your recording.

Upload your recordings to a computer

1 Connect SPARK to the computer.
2 In Windows Explorer, open SPARK.
3 Select the folder **Recordings** > **Voice** or **FM***.
4 Copy and paste the recordings to any location on the computer.

Note

- * FM radio recording feature is available with some versions only. Refer to the on-screen menu of SPARK to find out which features are available to you.

Delete one or more recordings

This is how to delete recordings in Windows Explorer:

1 Connect SPARK to the computer.
2 In Windows Explorer, locate the folder **Recordings** > **Voice** or **FM radio***.
3 Delete the recordings as you normally would on the computer.

Note

- * FM radio recording feature is available with some versions only. Refer to the on-screen menu of SPARK to find out which features are available to you.

9 Personalize SPARK

In ★, personalize the screens of **SPARK**.

1 Press ▲ / ▼ to select an option.
2 Press ▶ to confirm a selection and go to the next level (when available).
3 Press ⮌ to return to the previous level.
4 Press and hold ⮌ to exit the ★ menu.

Theme

In ★ > **[Theme]**, select the theme for the display.

Startup screen

In ★ > **[Startup screen]**, select the display at the time that the player switches on.

Shutdown screen

In ★ > **[Shutdown screen]**, select the display at the time that the player switches off.

Screensaver

If no new action is taken on the player, the screen enters the idle mode. If you have selected a screensaver, the screensaver is displayed on the idle screen after the selected time duration.

1 In **[Screensaver]**, press ▲ / ▼ and ▶ to select an option:

[Off]	switches off the screensaver function.
[Personal slideshow]	displays pictures in the library one by one.
[Digital clock]	displays time in digits.
[Album art]	displays the CD cover of current song or last played song, if available.
[Demo mode]	displays major features of the player.

2 Select a time duration.
↳ If the player is in the idle mode for the selected time duration, the screensaver is displayed.

To exit the screensaver

- Press any key.

10 Settings

This is how you customize SPARK:
From the main menu, select ✿ to enter the settings mode.
In the ✿ menu, navigate as follows:

1 Press ▲ / ▼ to select an option.
2 Press ▶ to confirm a selection and go to the next level (when available).
3 Press ⮌ to return to the previous level.
4 Press and hold ⮌ to exit the ✿ menu.

Tip

- Fore more options on display settings, see section Personalize.

Play mode

In **[Play mode]**, select play modes for music play:
[Repeat]

[Repeat 1]	repeats current song.
[Repeat all]	repeats all songs in current folder.

[Shuffle]

[Shuffle all]	plays all songs in current folder in random order.

If both **[Repeat all]** and **[Shuffle all]** are activated,

- All songs in current folder are repeated in random order.

Sound settings

In **[Sound settings]**, select your option for sound settings:

[FullSound]	Restores the sonic details that music compression loses (for example, MP3, WMA).
[Equalizer]	Defines sound settings as desired.
[Volume limit]	Sets a maximum volume level for the device. In this way, you can always keep the volume within a level safe enough to your hearing. Press ▲ / ▼ to set the volume limit; Press ▶ to confirm.

Note

- Equalizer is deactivated when you select **FullSound**.

Sleep timer

Switch on the sleep timer. The **SPARK** can switch off automatically after a certain time duration.

- In **[Sleep timer]** > **[Set sleep timer…]**, select an option. Press ▶.
  ↳ After the selected time duration, the device is switched off automatically.

After the sleep timer is switched on,

- Select ✿ > **[Sleep timer]**.
  ↳ You can see the time left before the player is switched off.

English

Display settings

For more options on display settings, see Personalize SPARK (see 'Personalize SPARK' on page 20).

Backlight timer

The screen enters the idle mode, if no new action is taken on the player. After the pre-defined time duration, the idle screen is switched off automatically. To save battery power, select a low value for the time duration.

To set the time duration

1 From the Home screen, select ⚙ > **[Display settings]** > **[Backlight timer]**.

2 Select a time duration.
   ↳ After the selected time duration, the idle screen is switched off automatically.

Tip

- For power-saving purpose, select a low value.

To exit the power-saving mode

- Press any key.

Date and time

To set the clock

- Press ▲ / ▼ and ▶ to select an option:

[Time settings]

[Set time format]	selects a 12-hour or 24-hour clock
[Set time]	press ▲ / ▼ repeatedly, or press and hold ▲ / ▼ to enter digits; press ⮌ / ▶ to select the position of entries; press ▶ to confirm.

[Date settings]

[Set date format]	selects a date format
[Set date]	press ▲ / ▼ repeatedly, or press and hold ▲ / ▼ to enter digits; press ⮌ / ▶ to select the position of entries; press ▶ to confirm.

Slideshow settings

[Time per slide]	selects play time for each slide.
[Repeat]	plays all slides repeatedly, if activated.
[Shuffle]	plays all slides in random order, if activated.

Language

You can change the language option in **[Language]**.

PC connection preference

In **[PC connection preference]**, select how the player is connected to a PC. The player allows the access by a PC through USB Mass Storage Class (MSC), or Media Transfer Protocol (MTP).

[MTP]	during the sync to the player, allows copyright-protected music to be converted to playable formats through the software for media management.

Information

In **[Information]**, learn the following information about the device:

[Capacity:]	memory size
[Free space:]	space available
[Firmware version:]	current firmware version. Check the firmware version when updating firmware from the support website.
[Model:]	full product name. Check the full product name when updating firmware from the support website.
[Support site:]	web site that provides support for the device

Format device

Format the player. You remove all the data that are stored on the player.

- Select **[Format device]**, and then, select **[Yes]** as prompted.

Factory settings

In **[Factory settings]**, restore the player to factory settings. Files transferred to the player are retained.

11 Update the firmware through Philips Device Manager

SPARK is controlled by an internal program called firmware. Newer versions of the firmware may have been released after you have purchased SPARK.
The software program called **Philips Device Manager** can use your computer to check for firmware updates that are available on the Internet.
Install **Philips Device Manager** on your computer from SPARK or download the latest version from www.philips.com/support.

Note

- Your music files are not affected by a firmware update.

1. Ensure that your computer is connected to the Internet.
2. Connect **SPARK** to the computer.
3. On your computer, click **Start** > **Programs** > **Philips** > **Philips MP3 player** > **GoGear SA2SPKXX Device Manager** to launch the **Philips Device Manager**.
4. Click **Update**
   ↳ **Philips SA2SPKXX Device Manager** checks for updates and installs new firmware from the Internet, if available.
5. When the display shows **Update completed**, click **OK**.
6. Disconnect **SPARK** from the computer.
   ↳ **SPARK** restarts after the firmware is updated and is ready for use again.

12 Troubleshooting

If SPARK is not working properly or the display freezes, you can reset it without losing data:

How do I reset SPARK?

- Insert a pen tip or other object into the reset hole located at the bottom of SPARK. Hold until the player shuts down.
- If the reset option is unsuccessful, follow the steps how to recover SPARK with the **Philips Device Manager**:

1. On your computer, select **Start** > **Programs** > **Philips** > **Philips MP3 player** > **GoGear SA2SPKXX Device Manager** to launch the **Philips Device Manager**.
2. Turn off SPARK before you continue.
3. Press and hold the volume button **+** while you connect SPARK to your computer.
4. Keep holding the key until the **Philips Device Manager** acknowledges SPARK and enters the recovery mode.
5. On the computer, click the **Repair** button and follow the instructions of the **Philips Device Manager** to complete the recovery process.
6. When the recovery is completed, disconnect SPARK from your computer.
7. Restart SPARK.

13 Technical data

Power
Power supply: 220 mAh Li-ion polymer internal rechargeable battery
Play time[1] (music): 22 hours

Software
Philips Device Manager

Connectivity
Headphone 3.5 mm
USB 2.0 High speed

Sound
Channel separation: 45 dB
Frequency Response: 80 - 18,000 Hz
Output power: 2 x 2.4 mW
Signal to noise ratio: > 84 dB

Audio playback
Supported formats:
MP3, WAV, WMA, FLAC, APE

Bit rates	Sampling rates
MP3:	
8 - 320 kbps and VBR	8, 11.025, 16, 22.050, 32, 44.1, 48 kHz
WMA:	
5 - 320 kbps	8, 11.025, 16, 22.050, 32, 44.1, 48 kHz
FLAC:	
up to 1.1 Mbps	48 kHz
APE:	
up to 1.3 Mbps	48 Khz

Picture display
Supported formats:
JPG
BMP

Storage media
Built-in memory capacity[2]:
SA2SPK02 2GB NAND Flash
SA2SPK04 4GB NAND Flash
SA2SPK08 8GB NAND Flash

Music / Picture drag and drop transfer[3]
Windows Explorer

Display
Color LCD 128 x 128 pixels

Note

- [1] Rechargeable batteries have a limited number of charge cycles. Battery life and number of charge cycles vary by use and settings.
- [2] 1GB = 1 billion bytes; available storage capacity is less. Full memory capacity may not be available as some memory is reserved for the player. Storage capacity is based on 4 minutes per song and 128 kbps MP3 encoding.
- [3] Transfer speed depends on operating system and software configuration.

System requirements

- Windows® XP (SP3 or above) / Vista / 7
- Pentium III 800 MHz processor or higher
- 512 MB RAM
- 500 MB hard disk space
- Internet connection
- Windows® Internet Explorer 6.0 or later
- CD-ROM drive
- USB port



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