

# MP3 Player for Cybiko Xtreme™

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## What is Cybiko MP3 Player?

The Cybiko MP3 Player is an accessory cartridge for your Cybiko Xtreme that allows you to listen to MP3 files with bit rate up to 320 Kbps. The MP3 files are stored on a separate (not included) memory card (either SD or MMC card) that plugs into the MP3 cartridge. You can download and upload MP3 files from your PC to the card and back via USB interface using the EZ Loader Program. You can also use these cards as additional memory for your Cybiko Xtreme, storing games and applications on them.

## Memory cards: SD and MMC

### What are SD and MMC cards?

SD (Secure Digital™) and MMC (MultiMedia Card™) are flash memory cards.

These cards are used for storing data in a wide range of portable devices.

### What are the cards for?

- File Storage of MP3 files for your MP3 Player
- A removable disk for your Cybiko Xtreme.

## How to Start

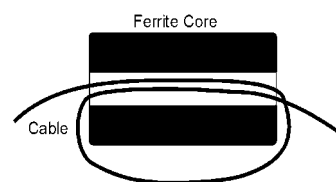
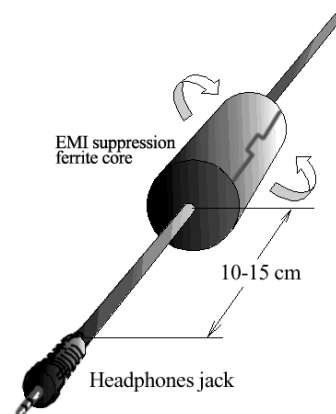
1. From the Installation CD that was in the Cybiko Xtreme package, install EZ Loader onto your PC.
2. Install the MP3 app from the Installation CD to your Cybiko Xtreme using EZ Loader. See EZ Loader Help for details. This application gives you full control of the MP3 cartridge.



**Note:** We recommend that you install MP3 app onto the Cybiko Xtreme Disk. This will allow you to swap cards safely while the MP3 application is running.

3. Format the card: Open File Manager. The card will be displayed as a Removable Disk. Press <Menu> or <Fn><Enter> on this item and select "Format..."
4. Download MP3 files (or Cybiko games and apps) onto the card using EZ Loader. See EZ Loader Help for details.
5. Unplug the Cybiko computer from the USB port and run the MP3 application.
6. Attach headphones to the headphones jack on the top side of the cartridge.
7. Enjoy the music!

**Note:** In order to reduce possible electromagnetic interference, the provided EMI suppression ferrite cores could be fastened on the headphones cable and Cybiko Xtreme USB cable. If a USB cable is included in this set (optional), please use it instead of the USB cable provided with Cybiko Xtreme. Cores should be placed at the approx 10-15 centimeters from the connector (please refer to the picture). To fix the core on the cable, grip its sides to click. We recommend to make a cable loop before the core fastening, as shown on the picture.










## MP3 Player screen



The MP3 screen consists of the following fields (from top to bottom):

1. Song Title.
2. Song info: data transfer rate, mono/stereo, total time.
3. Volume and balance control bars.
4. Time bar and the time passed from the beginning of the song.
5. Toolbar.

The seven buttons on the toolbar are:

- |   |                             |
|---|-----------------------------|
|  | Equalizer                   |
|  | Loop Mode                   |
|  | Random Mode                 |
|  | Previous song from Playlist |
|  | Play/Pause                  |
|  | Stop                        |
|  | Next song from Playlist     |

Use <Tab> to move between the fields on the screen: Volume control, Balance control, Time bar, and Toolbar. Use <Shift><Tab> to move between these fields in the reverse direction.

## The Playlist

The Playlist is a list of songs on the card that you have picked to listen to. Once you insert a new card, the Playlist is generated automatically. Then, you can edit the Playlist – change the order of songs, rename or temporarily remove them from the list.

### How to view the Playlist

Press <Menu> or <Fn><Enter>. You will see a list of MP3 files on the card:



The number to the right of the song name is its total playing time. The number to the right of the "Select Melody" heading is the total playing time for all the songs included in the Playlist.

Press any alphanumeric key to move to the next line beginning with this character. (Example: Press 'W' for Willa Ford, etc)

### How to remove a song from the Playlist

1. Choose the song you want to add to the Playlist by using <Up/Down arrows>.
2. Press <Del>.

### How to add a song to the Playlist




1. Press <Ins> in the Playlist to open the File Manager window and view all songs on the card. Songs included in the Playlist will be check marked on the left.
2. Choose the file you want to add by using <Up/Down arrows>.
3. Press <Select>.
4. Press <Select> on a checked off song to remove it from the list.

### How to change the order of songs in the Playlist

1. Choose the song you want to move to another place by using <Up/Down arrows>.
2. Press <Shift><Up/Down arrows> to move the selected song one line up/down.
3. Press <Left/Right arrows> to move the selected song to the beginning/end of the list.
4. Press <Fn><Up/Down arrows> to move the selected song one page up/down in the list.


## How to play songs

### How to start playing


1. Start MP3 Application
  2. Press <Menu> or <Fn><Enter>. You will see the Playlist.
  3. Select a song by using <Up/Down arrows>.
  4. Press <Enter> to start playing the song.
- Or
1. Start MP3 Application
  2. Move to the Toolbar field using <Tab>.
  3. Select the **Play** button  by using <Left/Right arrows>.
  4. Press <Enter>.

*Note: As the song currently being played is finished, the next song from the Playlist will start.*

### How to pause playing

1. Move to the Toolbar field using <Tab>.
2. Select the **Pause** button  by using <Left/Right arrows>.
3. Press <Enter>.
4. To resume playing, press this button again.

## How to stop playing

1. Move to the Toolbar field using <Tab>.
2. Select the Stop button  by using <Left/Right arrows>.
3. Press <Enter>.

## How to rewind/fast forward

Press <Shift><Left/Right arrows> to rewind/fast forward.



Or

1. Move to the Timebar field by using <Tab>.
2. Press <Left/Right arrows> to rewind/fast forward.

## How to move to the next/previous song in the Playlist

Press <Fn><Up/Down arrows> to go to the next/previous song.

Or

1. Move to the Toolbar field by using <Tab>.
2. Select the Next  button or the Previous  button using <Left/Right arrows>.
3. Press <Enter>.

## MP3 Player Settings

### How to change volume

Press <Up/Down arrows> to increase/decrease volume.

Or

1. Move to the Volume Control field by using <Tab>.
2. Press <Left/Right arrows> to decrease/increase volume.

### How to change balance

Press <Fn><Left/Right arrows> to change the balance.

Or

1. Move to the Balance Control field by using <Tab>.
2. Press <Left/Right arrows> to change the balance.

### How to choose equalizer settings


There are five possible pre-set equalizer settings for playing an MP3 file:

1. Default 
2. Classic 
3. Jazz 
4. Pop 
5. Rock 

Press <Select> to change the equalizer mode.

### How to play songs in loop mode

Loop mode means that after either a single song or the whole Playlist finishes playing, the song or Playlist will be repeated.

1. Move to the Toolbar field using <Tab>.
2. Select the **Loop Mode**  button by using <Left/Right arrows>.
3. Press <Enter>.
4. To cancel this mode, press <Enter> on this button again.

### How to play songs in random order

1. Move to the Toolbar field using <Tab>.

2. Select the **Random Mode**  button by using <Left/Right arrows>.
3. Press <Enter>.
4. To cancel this function, press <Enter> again.

## File operations

You can perform certain actions with MP3 files directly from the MP3 application.

### How to rename a file

1. Press <Menu> or <Fn><Enter> to open the Playlist.
2. Press <Ins> in the Playlist to open the File Manager window.
3. Choose the file you want to rename by using <Up/Down arrows>.
4. Press <Fn><Enter>.
5. Type the new file name.
6. Press <Enter>.

*Note: You cannot rename the file currently being played.*

### How to delete a file

1. Press <Menu> or <Fn><Enter> to open the file list.
2. Press <Ins> in the Playlist to open the File Manager window.
3. Choose the file you want to delete by using <Up/Down arrows>.
4. Press <Del>.
5. Press <Enter> to confirm the deletion.

*Note: You cannot delete the file currently being played.*

## How to exit the application

Press <Esc> to exit. As you exit, the playing will stop.

## Other uses of the MP3 cartridge

### As an external disk drive for your Cybiko Xtreme™

You can use your SD or MMC card as a removable disk for your Cybiko Xtreme. To download games and apps to the card, use EZ Loader. See EZ Loader help for details.

To run games/apps stored on the card, open the Games or Apps folder on the Main Desktop. You will find shortcuts to each game and app stored on the card.

To view and manage files on the card from your Cybiko Xtreme, use File Manager. The attached card is shown as a Removable Disk – in addition to the regular Cybiko Xtreme Disk.

### As a card reader

You can use your SD or MMC card for storage of data of other types. For example, if your digital photo camera uses MMC, you can transfer photos from the MMC to your PC using the MP3 cartridge as a card reader and EZ Loader program. See EZ Loader help for details.

## Precautions

- Detach headphones cable from the player while transferring files to the Cybiko Xtreme or flash card via USB connection. Do not operate the player when both USB and headphones cables are connected.
- Never remove the card from your MP3 player cartridge when data on the card is being WRITTEN.
- Never try to compress files on a card.
- Never force the cartridge into any other device or adapter other than a Cybiko computer.
- Avoid extreme heat, cold or humidity.
- Keep the cartridge away from direct sunlight, electrostatic sources and magnetic fields.
- This cartridge is not waterproof. Do not expose it to rain or moisture.
- Do not bend, drop, impact, or attempt to open the cartridge.

# Technical specifications

## General information

**Memory:** Any size SD and MMC cards support  
**Expansion Slot:** SD-slot (SD card/MMC compatible) 11-pin  
**Indication:** None  
**Keys:** None  
**Phone jack** for 3.5 mm Stereo Earphones  
**Cartridge Connector:** 24-pin for connection to Cybiko Xtreme  
**Dimensions** (L x W x H), mm: 52 x 69 x 16.1 (including connector)  
**Weight:** 25 g  
**SD available modes:** SPI mode and SD mode with 1-data line processing (DAT0).  
**Security:** SDMI-Ready.

## Operational Characteristics

MODE	1	2
MP3 Play	Support of MPEG Audio version	MPEG1 (ISO/IEC 11172-3), MPEG2 (ISO/IEC 13818-3) MPEG2.5
	MPEG Layer	Layer 2, Layer 3
	Bit rate index	8 – 320 kbps
	Sampling rate frequency index	8kHz, 11.025 kHz, 12kHz, 22.050kHz, 24kHz, 16kHz, 32kHz, 44.1kHz, 48kHz
	Signal to Noise Ratio	90dB
	Harmonic Distortion	0.1%
	Output Frequency Range	20Hz – 20 kHz
Earphones Power		2 x 5mW
Operating Supply Voltage		3.3V DC
Supply Current		0.01 - 65 mA
Cartridge consumption in OFF mode		5 uA
Cartridge consumption during card operations (without playing back)		10-13 mA (SD card), 20-24 mA (MMC)
Cartridge consumption in playing back mode:		50-55 mA
Total cartridge consumption with Cybiko Xtreme, PLAY mode		160-180 mA
Operating Ambient Temperature		0 – 40 °C

## Warranty

Cybiko Inc. Limited Hardware Warranty ("Warranty") obligations are limited to the terms set forth below. Cybiko Inc. ("Cybiko") warrants this hardware product against defects in materials and workmanship for a period of one (1) year from the date of original retail purchase. If a defect exists in the Cybiko Xtreme™ MP3 Player, USB cable or power adapter, Cybiko will either repair or replace the product at no charge. To do so, Cybiko may use either new or refurbished parts, or Cybiko may exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent. A replacement product assumes a warranty of 90 days. If Cybiko does not either restore the product to good working condition after a reasonable number of attempts, or replace the product, Cybiko will refund the purchase price of the product. When a product or part is exchanged or a refund given, the replacement item, if any, becomes your property and the replaced items, or the item for which the refund was given, becomes the property of Cybiko or its Authorized Service Provider. When sending units into Cybiko for repair, you "the Consumer" are responsible for shipping costs involved in sending the unit to the Cybiko repair center. Cybiko, in return, will ship the replaced or refurbished unit at no cost to the consumer.

### EXCLUSIONS AND LIMITATIONS

This Warranty applies only to hardware products manufactured by or for Cybiko that can be identified by the Cybiko trademark, trade name, or logo affixed to them. Cybiko and its Authorized Service Providers are not liable for any damage to or loss of any programs, data, or other information stored on any media, or any products or parts not covered by this Warranty. Recovery and reinstallation of system and application software and user data are not covered under this Warranty.

This warranty shall not apply if the product:

1. Is used with products not sold or licensed by Cybiko .
2. Is used for commercial purposes (including rental).
3. Is modified or tampered with (including opening the case).
4. Is damaged by negligence, accident, unreasonable use, or by other causes unrelated to defective materials or workmanship.
5. Has had the serial number altered, defaced or removed.

Any applicable implied warranties, including Warranty Of Merchantability and fitness for a particular purpose, are hereby limited in duration to the warranty period described above (12 months, as applicable). In no event shall Cybiko be liable for consequential or incidental damages resulting from the breach of any implied or express warranties.

### GOVERNING LAW

This Warranty shall be governed by the laws of the United Kingdom and does not effect any statutory rights provided to a consumer applicable in the country of purchase

NOTE: All purchases made through a retailer are subject to that specified retailer's Return Policy.

*For questions please check our posted FAQ's at [www.cybikoxtrreme.com/uk/fag](http://www.cybikoxtrreme.com/uk/fag), or send an e-mail to [support\\_uk@cybiko.com](mailto:support_uk@cybiko.com), or call 0870 905 0401. For further information, please refer to our web site, [www.cybikoxtrreme.com/uk](http://www.cybikoxtrreme.com/uk).*