Close your eyes.
With the Colorfly you will have the feeling to sit life in a concert hall..

HIFI *quality on the go, when and where ever you like*
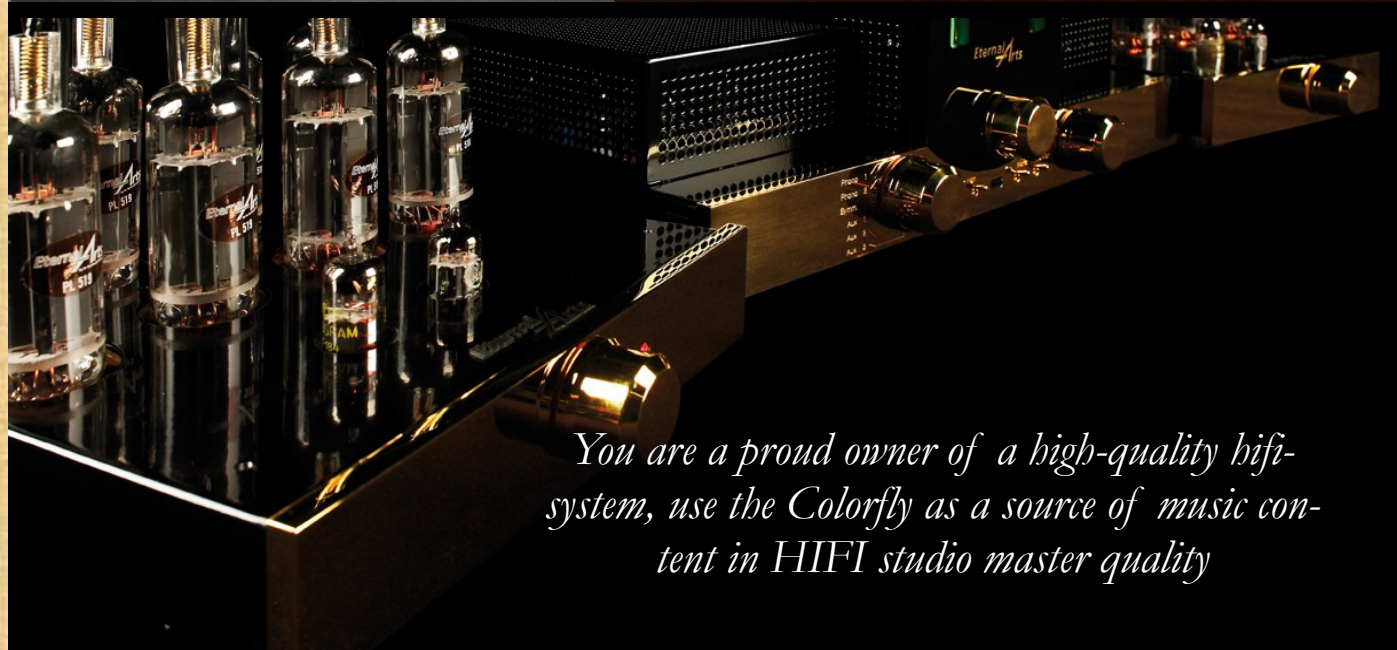
You are a proud owner of a high-quality hifi-system, use the Colorfly as a source of music content in HIFI studio master quality

Further details you will find on the following pages.

MSRP (excl. VAT) at least 550.42 €

Colorful

COLORFLY

The Colorfly is the world's first mobile HIFI player.

## What differentiates the Colorfly from other mobile players?

The Colorfly reaches for a mobile device an unprecedented HIFI quality.
With a signal-to-noise ratio of 108dB ,Clock Jitter = 1,5ppm and THD values (THD+N RATIO at 300 ohm = 0.0022%(-90db). It exceeds the audio standard many times in the reproduction quality and is on par with the high-end audio technology.

You can also use the Colorfly as a source for high quality HiFi music to 24-bit 192 KHz for your stationary system. Before a high investment in high-end LP player or CD-player, look at the possibilities of Colorfly on the following pages!

1

The Colorfly is the world´s first mobile HIFI player. Listen to HiFi quality on the go at any time and any place.

Use the analogue output of the Colorfly **6,3 mm jack** for high-quality headphone with 300 ohm impedance, best recommendation for HIFI Content up to 24 bit 192 KHz.

Use the analogue output of the Colorfly **3,5 mm jack** inner ear headphones up to 125 ohm impedance.

You can use both headphone outputs at the same time and hear music together.

ADVANTAGE

1. First world-wide mobile HIFI player. The Colorfly can play **WAV** audio files to 24 bit 192 KHz in **Studio Master quality**. It is a digital Media Player for **WAV, FLAC, APE and MP3.**

2. You can convert 16 bit 44,1 kHz content from the **SRC function** in 24 bit 192 KHz. High-quality components (CS4398 as DAC, TCXO 1ppm) and the patented **Jitter Kill Technology** improve the quality of the music. Over the **EQ function** you have influence on the character of the music playback and can customize according to your preferences. (Normal, Bass, Classical, Rock, Pop, Jazz)

3. HIFI music can be enjoyed together. The analogue output 6,3 mm and 3,5mm jack can be controlled simultaneously.

4. The Colorfly will be delivered in high-end version with 32 GB of flash memory. You can using micro SD card to expand the storage capacity up to **64 GB**.

5. The Colorfly express an extraordinary and rustic design, handmade walnut wood and brushed metal surface of high quality and individuality.
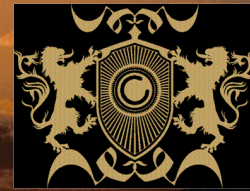
The Colorfly is not only the world's first mobile HIFI player, it can meaningfully supplemented and improved the music quality of your stationary hi-fi system!

Take Colorfly as an extension of your stationary hi-fi system

2

Use the Colorfly as a **music source** and **high-quality digital-analogue converter (DAC).** Over the analogue (6,3 mm jack) you transmit studio master quality content on your stationary hi-fi system.

The analogue 6,3 mm output of the Colorfly has 2100 mV at 300 Ohm impedance with sufficient power for driving an analogue audio amplifier.

ADVANTAGE

1. **Source** for **WAV** audio files to 24 bit 192 KHz in **Studio Master quality**, supports **WAV, FLAC, APE und MP3** format.

2. You can convert the data stored on flash 16 bit 44,1 KHz content from the **SRC Funktion** in 24 bit 192 KHz . High-quality components (CS4398 als DAC, TCXO 1ppm) and the patented **Jitter Kill Technology** improve the quality of the music. Over the **EQ function** you have inluence on the character of the music playback and can customize according to your preferences (Normal, Bass, Classical, Rock, Pop, Jazz)

3. The Colorfly as a digital source of music offers a higher quality for HIFI music than other digital sources. CD players have the restriction 16bit 44.1 kHz. SACD or AUDIO DVD player works with higher resolution, but cannot completely compensate Jitter due to mechanical micro-vibration or just compensate with extremely high cost.

4. The Colorfly is supplied in the stationary battery charger with electric current.
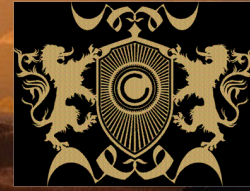
The Colorfly serves as a music source for studio master quality and is integrated into an existing high-quality hi-fi system

3

Digital amplifier

SPDIF

Digital decoder

R L CH

Use the Colorfly as a digital **music source** for high-quality content over the **digital output** (SPDIF OUT) This method is useful if you have a high-quality HiFi system with very good DAC
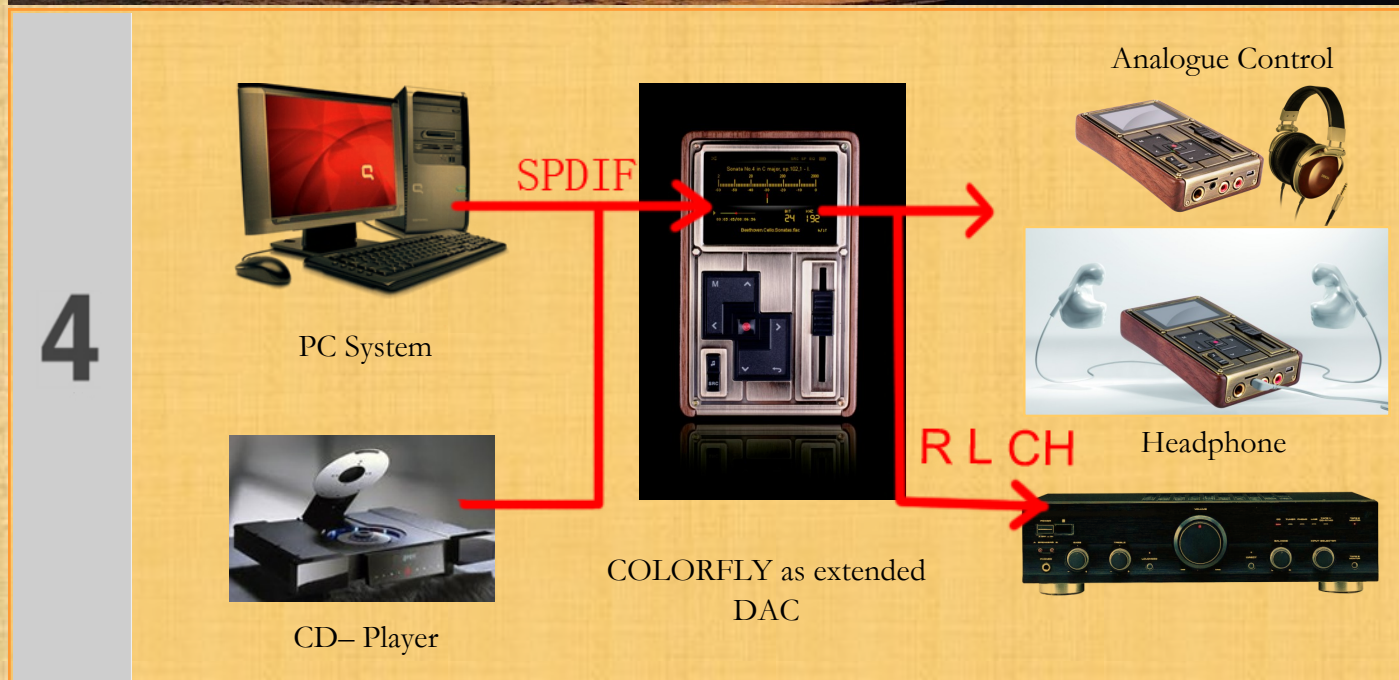
ADVANTAGE

1. **The Colorfly as source** supports multiple formats like **WAV** audio files to 24 bit 192 kHz in **Studio Master quality**, **FLAC, APE and MP3.**

2. You can convert the data stored on flash 16 bit 44,1 kHz content from the **SRC function** in 24 bit 192 KHz. High-quality (CS4398 als DAC, TCXO 1ppm) and the patented **Jitter Kill Technology** improve the quality of the music. Over the **EQ function** you have influence on the character music playback and can customize according to your preferences (Bass, Classical, Rock, Pop, Jazz)

3. The Colorfly as a digital source of music offers a higher quality for HIFI music than other digital sources. CD players have the restriction 16bit 44.1 kHz. SACD or AUDIO DVD player works with higher resolution, but cannot completely compensate Jitter due to mechanical micro-vibration or just compensate with extremely high cost. Jitter of Colorfly is at SPDIF Out less than 2 ps, in addition of that it works with perfect clock.

4. The Colorfly is supplied in the stationary battery charger with electric current.
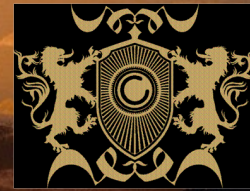
Colorful

COLORFLY

*The Colorfly as a high quality DAC will be integrated into an **existing** hi-fi system and improves the quality of the music of SRC & EQ conversion and jitter Kill Technology*

Analogue Control

4

PC System

SPDIF

COLORFLY as extended DAC

R L CH

Headphone

CD– Player

Use the Colorfly as a high-quality extended **DAC**. Change the character of the music over the **SRC and EQ options** for optimal listening pleasure .
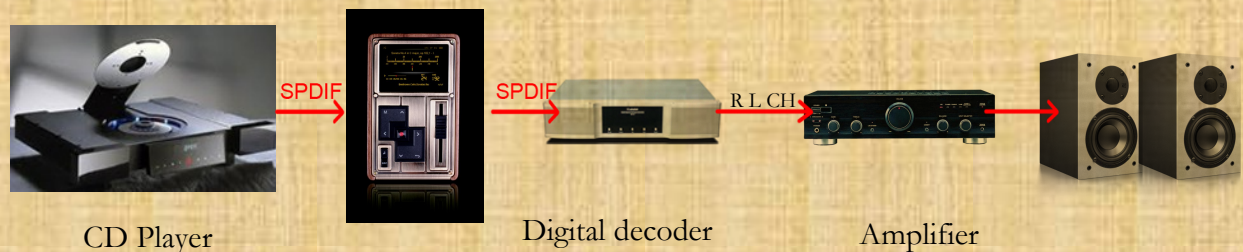
ADVANTAGE

1.	You can convert digital content from different sources 16 bit 44,1 KHz or content with higher resolution over the **DAC of the Colorfly** under the use of the **SRC function** in 24 bit 192 kHz and the converted analogue HIFI signal either to your headphones or analogue input of your amplifier. The DAC of the series CS4398, efficient filters, high-quality oscillators (TCXO 1ppm) and the patented **Jitter Kill Technology** improve the sound of music. Over the **EQ function** you have influence on the character of music playback. and can customize according to your preferences.(Normal, Bass, Classical, Rock, Pop, Jazz)

2.	The Colofly revalue your digital source of music. It improves the music playback with PC systems and CD players. CD- Player has the restriction on 16 bit 44,1 KHz. It is missing to the music at dynamic. Here arise under 1.) mentioned possibilities over the SRC and the EQ function.

3.	SACD- oder AUDIO–DVD Player works with higher resolution and more dynamic, but cannot completely compensate Jitter due to mechanical micro-vibration or just compensate with extremely high cost.. When using Colorfly Jitter is prevented.

4.	The Colorfly is supplied in the stationary battery charger with electric current.

COLORFLY

Over SRC ,EQ conversion & Jitter Kill Technology of the Colorfly better playback of CD´s

5

CD Player   Digital decoder   Amplifier

For CD Player the Colorfly offers the option of the digital conversion of 16 bit 44,1 KHz content up to 24 bit and 192 KHz over the **SRC** function. (Sample Rate Converter)

ADVANTAGE

1. Improve the digital signal of a CD Players of 16 bit 44,1 KHz or content with higher resolution (SACD) by the **Colorfly** using of the **SRC function.** The Colorfly can convert music to 24 bit 192 kHz and the converted digital HIFI Signal without Jitter to the digital decoder. Also here you have over the **EQ function** influence on the character of music playback and can customize according to your preferences (Bass, Classical, Rock, Pop, Jazz)

2. Efficient filters, high-quality oscillators (TCXO 1ppm) and the patented **Jitter Kill Technolog** improve the sound of music. The Colofly revalue your digital source of music. It improves the rendition of CD players. CD- Player have the restriction 16 bit 44,1 KHz. It is missing to the music at dynamic. Here arise under 1.) mentioned possibilities over the SRC and the EQ function.

3. SACD or AUDIO DVD player works with higher resolution, but cannot completely compensate Jitter due to mechanical micro-vibration or just compensate with extremely high cost. When using the Colorfly Jitter is prevented.

4. The Colorfly is supplied in the stationary battery charger with electric current.

Colorfly Technical Data:

Species	Item	Parameter	Colorfly pocket hifi
Performance	MAX AMPLITUDE	3.5 ack ouput	620mV
		6.3 jack ouput	2000mV
	THD+N RATIO(44.1Khz FS,16ohm,32ohm, 100ohm,300ohm load conditions)	1Khz	0.004%(-87db)
		15Khz	0.014%(-76db)
		15Khz(SRC Enable)	0.0022%(-90db)
	CROSSTALK	32ohm load	>75db
	SIGNAL-TO-NOISE RATIO	---------	108db
	Clock jitter	---------	1.5ppm
	Support 24Bit/192Khz Files Playback	---------	Yes(support 16bit/24bit sample rate from 16KHz-192Khz Files)
Functions	Sample rate conversion	---------	Yes
	Low jitter SPDIF output	---------	Yes
	SPDIF input	---------	Yes
	USB audio support	---------	later
	Drive 32ohm headphones	---------	Yes
	Drive 100ohm headphones	---------	Yes
	Drive 300ohm headphones	---------	Yes
	Driver 2 Way Headset	---------	Yes
	Portable mobile	---------	Yes
	TXCO	---------	Yes

Parts Selection		
Audio-specific capacitors	Yes
Gold-plated connectors	Yes
CPLD Clock Module	Yes
wood case	Yes
Professional volume control	Yes
Advanced op amp	Yes
Advanced DAC	Yes(High Performance DAC)
PCB layer	6layer
Custom headphone driver IC	Yes

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