



Luma

-  **Multimedia & Classic Audioguide**
-  **Excellent high quality speakers**
-  **High resolution displays**



BMW Museum, Munich



**Luma: One Audioguide – many possibilities.
Ideal for multimedia content.**

Available in two configurations: TOUCH & CLASSIC.

Based on more than 10 years experience in developing its own audioguidance systems, the soundgarden development team has created the Luma, integrating the latest state-of-the-art technologies. soundgarden products are developed and produced in Germany.

Luma is more than just an audioguide.

It enhances your visit experience with image, video and text.

Easy to use. Choose between a full keyboard (Luma CLASSIC) and a combination of touch-screen display and three function keys (Luma TOUCH).

A 2.4" (60mm) or 3.5" (90 mm) high-resolution colour display suitable for daylight use, is fitted into the Luma unit.

*The above illustrations are
ca. 50% of the actual size.*

Classics never go out of fashion.

Luma

CLASSIC

Illustration is
1:1 actual size



The Luma CLASSIC will satisfy your needs in terms of a functional design, durability and high quality sound.

The Luma CLASSIC offers a combination of numeric keypad and three navigation keys. Images, video and text can be shown on the daylight-friendly 2.4" (60mm) colour display. Special functions, such as games or questionnaires are also available. The user can call-up, on every exhibit, additional information.

The Luma CLASSIC basic configuration offers:

- ✓ A daylight-friendly TFT colour display
- ✓ Expandable SD and SDHD memory card
- ✓ Twin HiFi stereo earphone jacks
- ✓ Back-lit full keypad
- ✓ Carrying strap
- ✓ 3 multifunction keys for variable functions
- ✓ Linear tour capability
- ✓ 2-year warranty

Botanical Gardens, Munich



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Brilliant Display



You can view images, videos, graphics and text on the 3.5" (90 mm) display. Thanks to its daylight-use capability, it may be used for both indoor and outdoor tours. Images and movies can be displayed in landscape or portrait formats. Depending on your requirements, you may choose between two screen resolution levels.

The Navigation Bar



The navigation bar provides access to different audio visual presentation modes. The visitor may freely plan her/his tour and select which information she/he wants to hear or see, expanding her/his visit experience.

Memory



Luma TOUCH is equipped with a standard 4 GB SD or SDHD card. Expandable up to 32 GB, it provides ample space for different languages, sound tracks and multimedia content.



Illustration is 1:1 actual size.

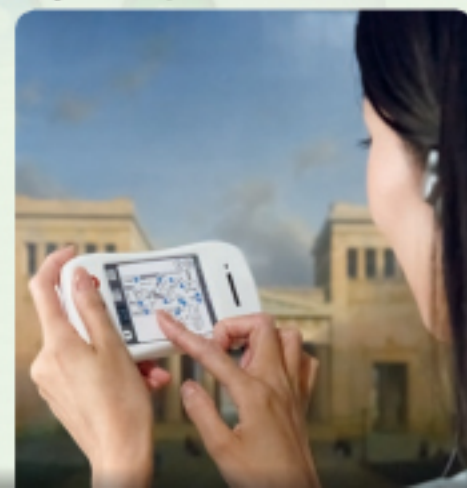
The Luma TOUCH basic configuration offers:

- ✓ A daylight-friendly TFT colour display
- ✓ Expandable SD and SDHD memory card
- ✓ Twin HiFi stereo earphone jacks
- ✓ 3 back-lit function keys
- ✓ Carrying strap
- ✓ Linear tour capability
- ✓ 2-year warranty

BMW Museum, Munich



City Museum, Munich



Flexible & Adaptable. Modern & Reliable.

Speaker



The built-in speaker provides an impressive sound quality. The volume may be manually adjusted using the up and down toggle switch on the side of the unit.

Earphone jacks



An exceptional listening experience in HiFi stereo sound. As an alternative to the built-in speaker, we provide two earphone jacks. Earphones are important if the visitor has to concentrate on the display content.

Robust Casing

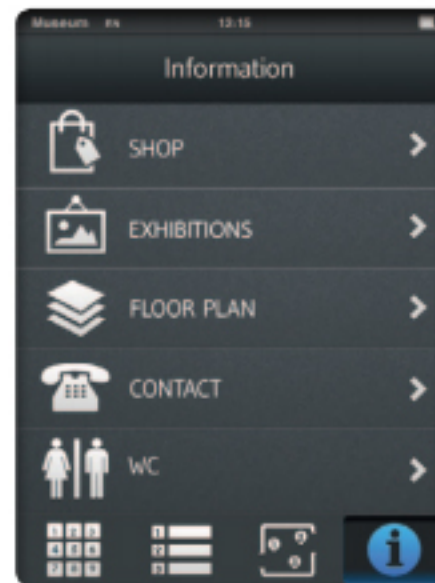


Durability and functionality are our priorities. The ergonomic shape of the Luma ensures that it fits nicely in the hand. The impact-resistant plastic casing offers protection.

Keypad Operation



The solution for simple operation: Illuminated Play, Pause and Stop push keys. The blue push key can be configured to meet your specific needs; e.g. a more detailed information level.



Menu

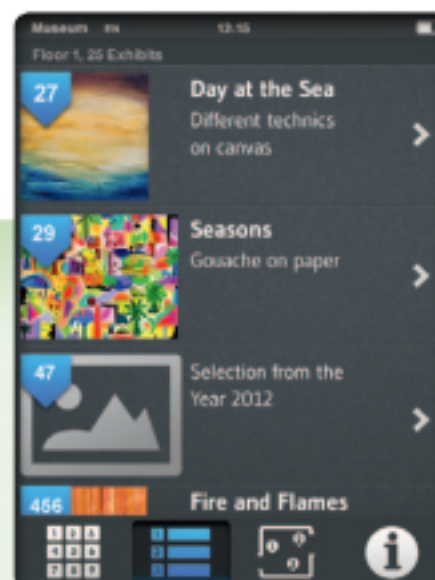


All needed information at a glance! The menu guides the operator or visitor effortlessly through languages, tours, content and service information, e.g. opening times, museum layout, current and future exhibitions, etc.

Floor Plan



Where to find the exhibits? The location of the exhibits can be determined with the aid of the map function. By tapping on the number, the visitor is taken directly to the audio, image, video or text presentation.



Exhibits list



Exhibits can be presented with a title and a picture or an icon. Exhibit lists can be arranged by artist name, theme, floor, etc.

Luma offers optional functions, such as alarm, automatic triggering, lip-synchronous film playback, a group tour guidance and GPS triggering.

The size and colour of our loading stations are individually tailored to satisfy your specific requirements.

The station provides secure storage for your equipment. Fitted with an optional module, it can also be used as a data loading station or for statistical data collection. Optionally, it may be built into existing counters or a roll container.



Universal:
One loading station for
both Luma models.

Optional Features

Exhibitions often require special technology. We can offer a selection of various accessories, designed to support your specific exhibition concept.

Automatic triggering: The easy-to-install technology allows automatic activation of audio and film clips around the exhibit area and in the visitor's own language. Thus, visitors can join films and follow the appropriate lip-synchronised soundtrack.

Data Loading Station: Data can be simply edited and quickly loaded on the units. With our special hardware extension, the maintenance of audio, image and video data can be carried out in-house in any language or on any tour, using a Windows PC. This function is integrated into the loading station.

Statistics: Which exhibits are particularly popular? The Audioguide continuously collects data, which can be analysed using the statistics package. Information about language distribution, choice of audio tracks, duration of listening etc. can be evaluated.

Optional Features:

- ✓ Alarm
- ✓ Lip-synchronous film playback
- ✓ Automatic triggering
- ✓ Data loading function
- ✓ Statistics collection & analysis
- ✓ Colour selection of audioguide units and loading station
- ✓ Branding sticker on the back of the unit
- ✓ GPS-controlled triggering
- ✓ Group tour function

Botanical Gardens, Munich



Luma 

CLASSIC



TOUCH



TOUCH HD



Dimensions:	Length 15.1 cm Width 7.5 cm Height 2.3 cm	Length 15.1 cm Width 7.5 cm Height 2.2 cm	Length 15.1 cm Width 7.5 cm Height 2.2 cm
Weight:	180 g (without options)	180 g (without options)	180 g (without options)
Durability:	Drop tested from 1.50 m without damage	Drop tested from 1.50 m without damage	Drop tested from 1.50 m without damage
Keypad:	Push-button keyboard	Touch screen and push-buttons	Touch screen and push-buttons
Operating temperature:	-10° to +50° C (Loading station: -10° to +35° C)	-10° to +50° C (Loading station: -10° to +35° C)	-10° to +50° C (Loading station: -10° to +35° C)
Display:	Useable in daylight TFT display 2.4" 60 mm 320 x 240 pixels 262,000 colours	Useable in daylight TFT and touch display 3.5" 90 mm 240 x 320 pixels 262,000 colours	Useable in daylight TFT and touch display 3.5" 90 mm 480 x 640 pixels 262,000 colours
Storage medium:	SD and SDHD cards	SD and SDHD cards	SD and SDHD cards
Earphone connection:	2 x 3.5 mm stereo jacks	2 x 3.5 mm stereo jacks	2 x 3.5 mm stereo jacks
Loudspeaker:	AKG	Beyerdynamic	Beyerdynamic
Audio frequency range:	20 to 16,000 Hz	20 to 16,000 Hz	20 to 16,000 Hz
Audio format:	mp3 / ogg	mp3 / ogg	mp3 / ogg
Image format:	png	png	png
Video Format:	ogv (Theora) and MPEG-4	ogv (Theora) and MPEG-4	ogv (Theora) and MPEG-4
Distortion factor (THD):	<0.2%	<0.2%	<0.2%
Max. amplitude:	>90 dBA	>90 dBA	>90dBA
Battery:	Lithium Polymer Accumulator	Lithium Polymer Accumulator	Lithium Polymer Accumulator
Operating duration:	12 hrs	12 hrs	12 hrs
Charging time:	3 hrs	3 hrs	3 hrs

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