# Your visitors are our priority

## Audio guides • Multimedia guides • Tour guides

# tonwelt – guiding solutions

tonwelt has been your trusted full-service partner for visitor tours and visitor management solutions since 2004. We develop innovative, practical and dependable technologies that make it possible for museums, exhibition spaces, tourist attractions and industrial sites to inform and engage their visitors.

Our goal is to help you convey appropriate information and knowledge to specific target groups. We offer our customers a comprehensive range of services from consulting and planning to content creation.

You stand to benefit from our experience on countless international projects, from the latest technological developments, and from dependable, professional systems that are built to last.

With tonwelt, you will discover the possibilities of a high-performance end-to-end solution for visitor tours, whether they are traditional audio guides, interactive multimedia guides or apps.
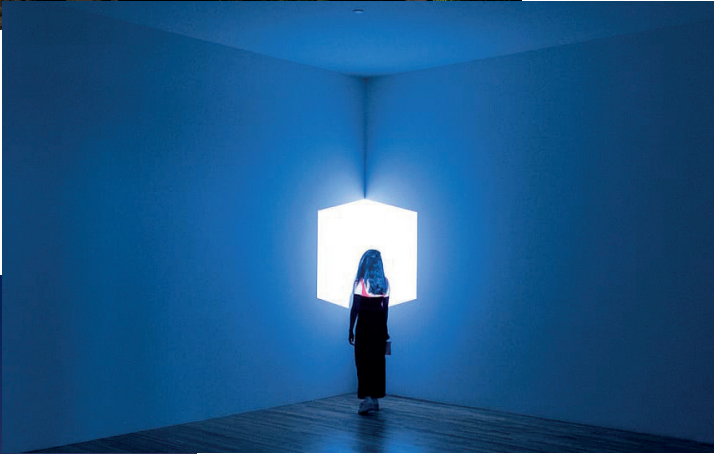
Further information at: www.tonwelt.com



**CULTURE AND OUTDOOR TOURS**





**IMMERSIVE EXPERIENCES**



**CITY AND LOCAL TOURISM**



**EXHIBITIONS AND MUSEUMS**

# supraGuide ECO

Classic audio guide for all visitor groups

— **Can be used both indoors and outdoors**

— **Integrated induction loop for hearing aid compatibility (HAC)**

— **Alarm function with customisable configurations**

— **High energy efficiency**

— **Excellent acoustic quality**

— **Lip-synchronized playback of video and audio tracks**

— **Lightweight, ergonomic device with award-winning design**

— **Charging station (smart or economy)**

— **User data analysis by supraCMS (content management software)**

— **Guaranteed accessibility thanks to Braille keyboard and large, high-contrast characters**

tonwelt developed the reliable supraGuide ECO for long-term use in exhibition halls and tourist hotspots with high visitor numbers.

This lightweight and extremely compact audio guide stands out for its award-winning design, excellent sound quality, user-friendly ergonomics and intuitive operation, which is also accessible for visually impaired visitors.

Thanks to its optimised hardware/software architecture, the supraGuide ECO has an especially long battery life.

Finally, the integrated radio and infrared transceiver can activate content and play audio tracks lip-sync to videos.



*supraGuide ECO in red and silver with stereo headphones tw 205*

*supraGuide MULTI in metallic silver and black with stereo headphones tw 205*

# supraGuide MULTI

Accessible multi-talent with tour guide function

— *Interactive multimedia guide with accessible operation*

— *Excellent sound quality*

— *High-contrast touch screen*

— *Supports playback of audio tracks, images and videos*

— *Integrated tour guide function*

— *Vibration function*

— *Content management and user data analysis via supraCMS*

— *Charging station and full range of accessories*

The supraGuide MULTI bridges the gap between a classic audio guide and an interactive multimedia guide. Equipped with a touch screen and a keypad with large numerals and Braille characters, it guarantees usability among all visitor groups.

For hearing-impaired visitors, the integrated induction loop enables a direct audio transmission to hearing aids. Aside from offering a full spectrum of functions, the supraGuide MULTI also enables an automatic activation of content playback via infrared and wireless triggerPoints.

The optional group guiding function transforms the supraGuide MULTI into a flexible tour guide for customised tours. Therefore the supraGuide MULTI is an extremely good choice wherever intuitive operation, accessibility and reliability are high priorities.

*— Interactive multimedia guide with a map function*

*— High-resolution touch screen that can be read easily in broad daylight*

*— Enables playback of images, audio and video*

*— Automatic and semi-automatic activation and remote-control function*

*— Integrated tour guide function*

*— Content management and user data analysis via supraCMS*

*— Charging station and full range of accessories*

The interactive supraGuide TOUCH presents your content in vivid images and multiple languages on a large touch screen with high resolution.
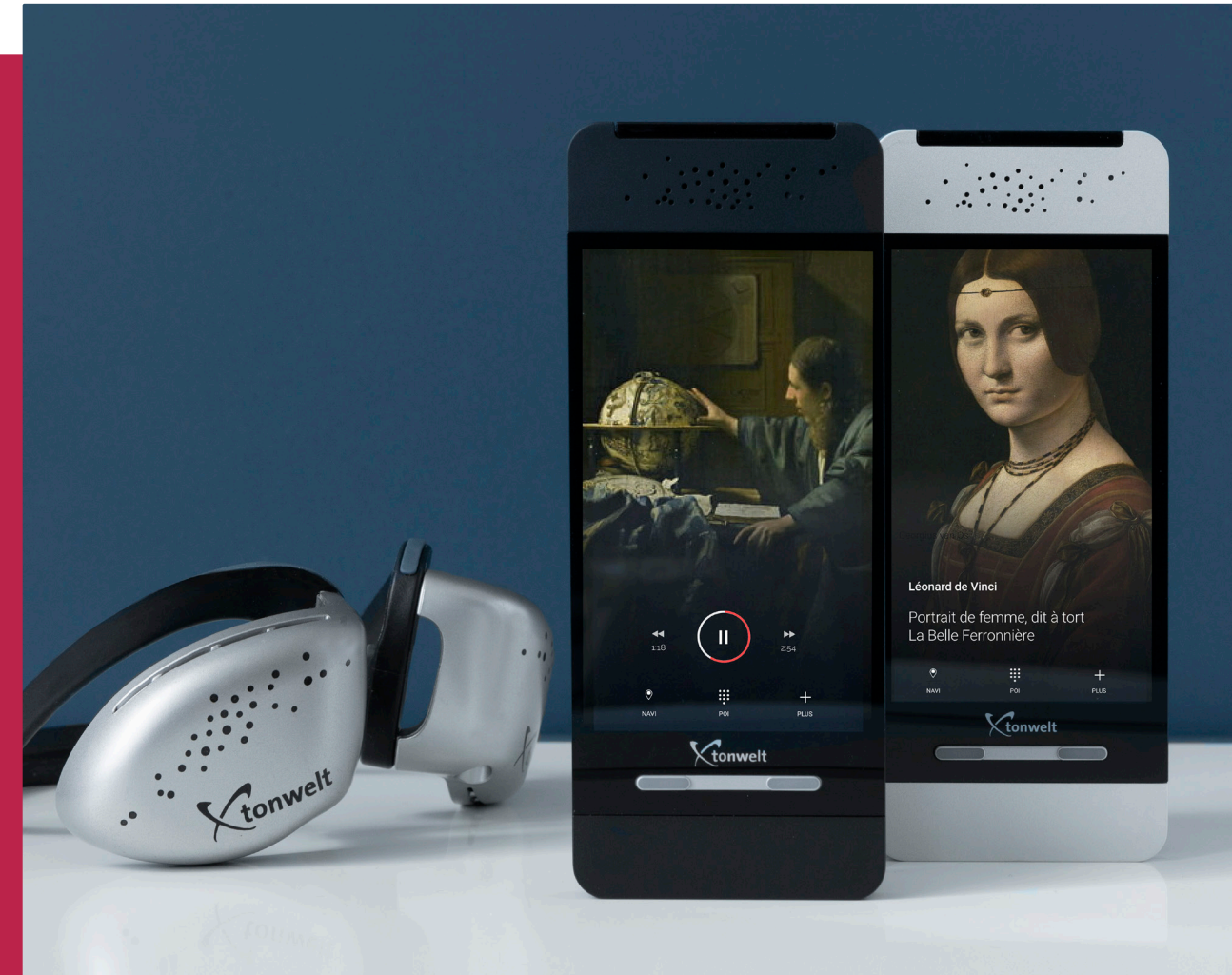
With the ability to use a mix of audio clips, exciting videos, images and interactives, you can create thematic tours that each and every one of your target groups will enjoy.

The large touchscreen is also ideal for displaying floor plans. It goes without saying that this model also has automatic activation, excellent sound quality, an integrated tourguide function and is connected to the digital media control.

As with the other products in the supraGuide family, the content on the supraGuide TOUCH can be conveniently edited via the central content management system. Here you can organise the content simply and clearly and, if required, you can also make it available as an online web version for BYOD. This allows you to give a wide audience access to your valuable content.

# supraGuide TOUCH

Multimedia guide for videos, maps and apps



*supraGuide TOUCH in black and metallic silver with stereo headphones supraPhones*

# supraGuide DIVA

## High-end smart device for the highest demands

*supraGuide DIVA – High End multimedia guide for interactive applications*

— *Powerful high-end multimedia guide*

— *High-resolution full-HD+ touch screen*

— *Supports videos, games, AR and multitrack playback*

— *DECT tourguide and teleconferencing module*

— *Ultra-wideband for precise indoor navigation*

— *Wi-Fi, Bluetooth 5 and integration of third-party apps*

— *Virtual triggering as well as IR & RF for spot-based services*

— *Content management and user data analysis via supraCMS*

— *Charging station and full range of accessories*

The supraGuide DIVA combines all advantages of the tonwelt supraGuide end-to-end solution with the latest innovations in chip technologies, giving you the chance to take your visitor tours to a whole new level.

This multimedia guide supports new functions such as precise localisation and navigation via ultra-wideband (UWB), exciting augmented reality (AR) apps, games and video playback on a high-resolution screen. The optional DECT module can be used either for interactive group tours or teleconferences with up to 1,028 participants in CD-quality sound with a range of up to 300 meters.

The supraGuide DIVA is the perfect solution for anyone who wants to take their guided tours a step further and create interactive or immersive exhibition experiences.

If you already have an Android app but your consumer hardware is not living up to your professional demands, the supraGuide DIVA also supports the integration of third-party applications.

- *Sound files in WAVE and OPUS (48 kHz and 16 bit)*
- *Soundstage in mono, stereo and binaural*
- *HRTF filter for conversion of binaural sounds to the 3D Engine*
- *RF and IR interfaces*
- *9-axis position sensor with gyroscope and compass*
- *Magnetic connectors for charging and data transfer*
- *Up to 15 hours operating time*
- *Very light weight (290 grams)*
- *Especially hygienic thanks to floating speakers*
- *Outstanding sound quality*

The supraGuide SPHERIC offers the highest level of comfort and sound quality. The audio guide is completely wireless, as the player and all the technology for automatic triggering and video synchronisation are built directly into the headphones.

Thanks to the floating speakers, the device is particularly hygienic to use and also allows groups of visitors and families to communicate during the tour without having to remove the headphones.

The real highlight, of course, is the 3D sound in the supraGuide SPHERIC. Binaural recordings are linked via software to various sensors in the headphones, allowing visitors to move around in a virtual acoustic space. This sophisticated technology takes auditory and spatial storytelling to a whole new level.

# supraGuide SPHERIC

Wireless all-in-one audio guide with 3D sound

*Wireless all-in-one audio guide with 3D sound for immersive visitor experiences*

*Multiplatform Content Management System: With supraCMS, all content can be easily edited, managed and deployed on supraGuides, as iOS and Android App or PWA (Progressive Web App).*

- ▬ **Multi-Site, multi-Exhibition, multi-Language**
- ▬ **Content Management System for supraGuides,**
- ▬ **iOS and Android apps and PWA (Progressive Web App).**
- ▬ **Perfect for digital storytelling and audience-focused guides**
- ▬ **Versatile editors**
- ▬ **Statistics and surveys**
- ▬ **Navigation & orientation tools**
- ▬ **Interfaces to databases**
- ▬ **Securely hosted on certified, European server locations**
- ▬ **Continuous development and new functions**
- ▬ **Ideal also for institutions and associations**

tonwelt supraCMS is at the heart of our technology and your visitor guidance. It allows you to combine different media to create exciting and multilingual visitor experiences for your site's audience and to design tours that will delight everyone. But that's not all: With a host of innovative features for digital storytelling, automatic triggering, synchronizing audio tracks with video clips on projections, integrating guides throughout the visitor journey, indoor navigation, AR content or the unique Scene Editor, you can take visitor experiences to the next level.

No matter on which device you want to offer your tours: audio guides, multimedia guides, native apps, PWA or immersive solutions: supraCMS is the central place for all your tours and their content.

Update the content of your devices across all platforms at the touch of a button and benefit from the most powerful content management system for guided tours on the market.

# supra CMS

Multiplatform Content Management System

# OUR REFERENCES

## Museums and exhibitions

| | | |
|---|---|---|
| AR | Colomé | James-Turrell-Museum |
| AT | Salzburg | Schloss Hellbrunn |
| AT | Vienna | Schloss Schönbrunn |
| AT | Vienna | Stephansdom |
| AT | Vienna | Unteres & Oberes Belvedere |
| AT | Vienna | Hofburg Wien |
| AT | Vienna | Naturhistorisches Museum |
| AU | Wentworth | Wentworth Military Museum |
| BE | Brussels | Musées Royaux d. Beaux-Arts de Belgique |
| BE | Gent | Huis van Alijn |
| BE | Louvain la Neuve | Musée L |
| CA | Montreal | Museum of Fine Arts |
| CH | Basel | Fondation Beyeler |
| CH | Bern | Kunstmuseum Bern |
| CH | Geneva | Musée International de la Croix Rouge |
| CH | Lausanne | Olympisches Museum Lausanne |
| CH | Scuol | Fundaziun Not Vital |
| CH | Zurich | Kunsthaus Zürich |
| CH | Zurich | Kirchengemeinde Fraumünster |
| CZ | Terezín | Terezín Memorial |
| DE | Aachen | Aachener Dom |
| DE | Berlin | Bauhaus-Archiv/Museum für Gestaltung |
| DE | Berlin | Dokumentationszentrum „Flucht, Vertreibung, Versöhnung" |
| DE | Berlin | Humboldt-Forum |
| DE | Berlin | Staatliche Museen zu Berlin |
| DE | Berlin | Zitadelle Spandau |
| DE | Bonn | Bundeskunsthalle Bonn |
| DE | Hamburg | Kunsthalle Hamburg |
| DE | Karlsruhe | ZKM — Zentrum für Kunst und Medien |
| DE | Leipzig | Völkerschlachtdenkmal |

| | | |
|---|---|---|
| DE | Mannheim | Reiss-Engelhorn-Museum |
| DE | Munich | Pinakothek der Moderne/ Alte Pinakothek |
| DE | Rosenheim | Lokschuppen Rosenheim |
| DE | Stuttgart | Landesmuseum Württemberg |
| DE | Stuttgart | Linden-Museum |
| DE | Völklingen | Weltkulturerbe Völklinger Hütte |
| DE | Waldenbruch | Museum Ritter |
| DK | Oksbøl | Museum Flugt |
| EE | Tallinn | Estonian Maritime Museum |
| FR | Amboise | Château royal d'Amboise |
| FR | Lyon | Musée des Beaux-Arts de Lyon |
| FR | Paris | Musée du Louvre |
| FR | Paris | Grand Palais |
| FR | Paris | Institut du Monde Arabe |
| FR | Paris | Musée Matisse |
| FR | Rochefort | Corderie Royale |
| FR | Montlouis-sur-Loire | Grotte Chauvet |
| IL | Jerusalem | Yad Vashem |
| IT | Imola | Museo Checco Costa |
| IT | Mantua | Palazzo della Ragione |
| SE | Stockholm | Medelhavsmuseet |
| TR | Istanbul | National Palaces & Museums |
| TR | Istanbul | Arter |
| TR | Ankara | War Manufactory Museum |
| TR | Ankara | Anıtkabir (Atatürk's Mausoleum) |
| TR | Çanakkale | Kilitbahir Castle Museum |
| UK | London | Victoria & Albert Museum |
| UK | London | Natural History Museum |
| UK | London | British Museum |
| US | New York | Jewish Museum New York |

## Culture and tourism

| | | |
|---|---|---|
| AT | Hohenems | Jüdisches Museum Hohenems |
| AT | Langenlois | Loisium |
| CH | Davos | Kirchner in Davos/Kirchner in Berlin |
| DE | Binz | Sightseeing Trains Rügen GmbH |
| DE | Berlin | Gedenkstätte Deutscher Widerstand |
| DE | Brühl | Unesco Weltkulturerbe Schlösser Brühl |
| DE | Dortmund | Dortmunder U |
| DE | Plau am See | Tourist Information |
| DE | Fulda | Tourismus und Kongressmanagement |
| DE | Xanten | Stadtpark Xanten |
| DK | Kirke Hyllinge | Egholm Museum og Godskontor |
| DK | Odense | Carl Nielsen Museum |
| FR | Avignon | Le Pont d'Avignon |
| FR | Brézé | Le Château de Brézé |
| FR | Bordeaux | Cité du Vin |
| FR | Bougon | Musée des Tumulus de Bougon |
| FR | Clermont-Ferrand | Vulcania |
| FR | Izieu | Mémorial de la Maison d'Izieu |
| FR | Montignac | Semitour- Périgord pour Lascaux IV |
| FR | Padirac | Gouffre de Padirac |
| FR | Paris | La Philharmonie de Paris |
| FR | Ville de Bayeux | Musée de la Tapisserie de Bayeux |
| FI | Espoo | Arctic Resort Kakslauttanen |
| PL | Wroclaw | Via Wroclaw City Tours |
| SG | Singapore | Singapore Bicentennial Experience |
| TR | Istanbul | Istanbul Biennale |
| TR | Malatya | Arslantepe Mound |
| UK | Bushmills | Giant's Causeway | National Trust |
| UK | Oxford | Bodleian Library |

## Businesses and industry

| | | |
|---|---|---|
| AT | Riegersburg | Zotter Schokoladen |
| AT | Watten | Swarovski-Kristallwelten |
| CH | Biel | Omega Museum |
| CH | Sennwald | kybun World |
| CH | Nottwil | ParaForum |
| CH | Walzenhausen | JUST Erlebniswelt |
| DE | Binz | Sightseeing Trains Rügen GmbH |
| DE | Stuttgart | Porsche Museum |
| DE | Stuttgart | Mercedes Benz Musuem |
| DE | Essen | e.on Ruhrgas |
| DE | Freiburg | Deutsche Bahn |
| DE | Hamburg | Unilever Deutschland |
| DE | Weinheim | nora systems |
| DE | Schiltach | Hansgrohe |
| DE | Windhagen | Wirtgen Group |
| FR | Erstein | Musée Würth France Erstein |
| FR | Le Mans | Automobile Club de l'Ouest |
| FR | Lons Le Saunier | La Maison de la Vache qui rit |
| FR | Paris | Banque de France |
| UK | Edinburgh | Scotch-Whisky-Experience |

Learn more at www.tonwelt.com and follow us on facebook or LinkedIn for current projects and news from tonwelt gruppe.

# tourGuide **PLAY**

Reliable companion with long operating time

— *optional sync kit*

— *customisable sticker or print area*

— *lightweight and small group guiding system*

— *intuitive operation and high reliability*

— *transport and charging bag for 12, 35 or 60 units*

— *extensive accessories such as headphones, microphones, etc.*

The tourGuide PLAY is a practical and easy to use digital group guiding system. Its intuitive operation, high reliability and long service life make it a very dependable companion for any situation.

At just under 44 g, the tourGuide PLAY is refreshingly light. Its particularly low latency of only 22 ms enables virtually delay-free transmission. With up to 110 available channels and a range of 120 meters, this system ensures that you'll always stay in touch with your group.

Especially practical: its optional sync-kit can set several devices to the target channel simultaneously, in no time at all. tourGuide PLAY is the ideal system for city tours, travel companies and small to medium-sized museums looking for a simple, and above all practical, group guiding system.

- Range: 90 - 120 m (indoor/outdoor)
- Channels: 110 available channels
- Operating time: up to 32 hours
- Special feature: Sync kit for simultaneous setup of several devices (optional)



*The tourGuide PLAY is a compact group guiding system with intuitive operation*

# tourGuide GO

Best entertainment on the move

- *handy, digital group guiding system*
- *good sound quality thanks to ANC*
- *LCD screen for quick operation*
- *external content can be played via AUX input*
- *optional sync kit*
- *transport and charging bag for 12, 35 or 60 units*
- *extensive accessories such as headphones, microphones, etc.*

The tourGuide GO digital group guiding system is characterised by its long range, good sound quality and outstanding reliability. Thanks to its compact dimensions, practical functions and a weight of only 39 g, the tourGuide GO is the ideal companion for group trips and guided tours. This system lets you offer your listeners more variety. By enhancing your tour with audio recordings via the AUX input, music, sound effects and soundbites can be used to make your tour a complete audio experience. The tourGuide GO comes with a practical charging station: optional as either a soft lightweight bag, a case or a complete charging drawer. With the optional synckit, all units can be simultaneously set to the desired target channel.

- Range: 100 - 140 m (indoor/outdoor)
- Channels: 110 available channels
- Operating time: up to 14 hours
- Special feature: commercially available AA-rechargeable batteries

*With the AUX input on the tourGuide GO, external media can be integrated into the guided tour*

# tourGuide GO+

Expand the conversation

- *handy, digital group guidance system*
- *good sound quality thanks to ANC*
- *LCD screen for quick operation*
- *bidirectional mode for enquiries*
- *external content can be played via AUX input*
- *optional sync kit*
- *transport and charging bag for 12, 35 or 60 units*
- *extensive accessories such as headphones, microphones, etc.*

Like the tourGuide GO, the tourGuide GO+ is an easy to use digital group guiding system. In addition to its low weight, compact dimensions and additional AUX input, the tourGuide GO+ offers another very special feature: the bidirectional mode. This gives your listeners the opportunity to ask questions which can be shared directly with the entire group.

The practical function is useful for all applications where interactivity and exchange are required — such as during

factory tours or between seminar leaders and participants or teachers and students. The tourGuide GO+ is also equipped with Active Noise Cancelling technology which reduces any unwanted noises during the tour. This ensures that every word can be heard even in acoustically demanding situations.

- Range: 100 - 140 m (indoor/outdoor)
- Channels: 110 available channels
- Operating time: up to 14 hours
- Special feature: bidirectional mode enables direct communication within the group



*Give your guest the opportunity to ask questions and provide feedback: the bidirectional tourGuide GO+*

# tourGuide AIR

## Top sound quality for your guided tour

— *no latency, thanks to analogue transmission*
— *high range*
— *optional sync kit*
— *reliable, analogue group guiding system*
— *outstanding sound quality*
— *transport and charging bag for 12, 35 or 60 units*
— *extensive accessories such as headphones, microphones, etc.*

Not all guided tours need a large number of available channels. For low-noise environments, our group guiding systems therefore focus on other important features, such as sound quality.

The tonwelt tourGuide AIR uses a dependable analogue system with an impressive range of up to 150 m. Only 49 g, the AIR is light and impresses even the most demanding ears with its extraordinary sound quality comfortably.

The tourGuide AIR comes with a practical charging station: optionally as either a light softbag for 12 units, a larger charging bag for up to 35 devices or as a complete charging drawer for up to 60 devices. The optional sync-kit is also particularly useful, as it allows all the devices for a tour to be simultaneously adjusted to the target channel.

⌨ Range: 100 - 150 m (indoor/outdoor)
((•)) Channels: 67 available channels
▭ Operating time: up to 18 hours
👁 Special feature: analogue group guidance system with best sound quality

*High range, very good workmanship and no latency characterise the tourGuide AIR*

**24** *Tourguide*

# tourGuide TG-48

Premium-class communication

— *digital/analogue group guiding system*

— *excellent sound characteristics*

— *extensive features and functions*

— *desktop charging station for 2 or 10 units*

— *transport case for 24 or 32 and drawer for 100 units*

— *extensive accessories such as headphones, microphones, etc.*

Highest sound quality, excellent craftsmanship, a high-resolution OLED display for your logo, plus an impressive range of up to 200 m and 1600 available channels: the tonwelt tourGuide TG-48 is our premium-class group guiding system. With its sleek design, a weight of less than 50 g and an operating time of up to 12 hours, the tourGuide TG-48 was created to inspire both listeners and guides alike.

The brilliant OLED display shows all the necessary information such as volume, channel settings and battery life, even in difficult lighting conditions.

A special highlight: The charging and transport case comes with its own integrated disinfection unit.

🚩 Range: 180 - 200 m (indoor/outdoor)

📶 Channels: 1600 available channels

🔋 Operating time: up to 12 hours

👁 Special feature: delay-free sound
transmission in premium quality

*Excellent sound quality, long range and high-quality workmanship:*
*The communication of special occasions deserves the tourGuide TG-48*

# supraGuide TRAVEL

Automatically placed multilingual content

- *sturdy, multilingual infotainment system*
- *for permanent installation in trains, boats and buses*
- *very good sound quality*
- *GPS-controlled uploading of content to POIs*
- *available as control panel*
- *can also be combined with tonwelt supraGuides*
- *individually configurable*

Sightseeing tours on buses, trains or boats are incredibly popular in cities and tourist centres. Via an intuitive control panel, the supraGuide TRAVEL enables you to deliver audiotracks to your visitors at predetermined points of interest (POIs). If desired, the multilingual content can be activated, either manually or automatically, at defined GPS points.

The system works as a permanent, weatherproof installation inside your vehicle, providing a genuine long-term bonus for your visitors.

Alternatively, the supraGuide TRAVEL infotainment system can also be combined with the tonwelt supraGuide audio and multimedia guides.

- Range: local use, permanently installed in tourist trains, buses or boats.
- Channels: 8 - 20 available channels
- Operating time: permanent
- Special feature: Sturdy and vandal-proof

*The GPS-controled infotainment system supraGuide TRAVEL for permanent installation in trains, ships and buses*

## CHARGING STATIONS AND TRANSPORT

**tourGuide PLAY,**   **tourGuide GO/GO+,**   **tourGuide AIR**

| charging station/shape | Dual-slot-charger* | 12-slot charger hand bag | 35-slot charger carry bag | 60-slot charger drawer* |
|---|---|---|---|---|
| number of charging slots | 2 | 12 | 35 | 60 |
| power supply | DC 5V 1A | DC 5V 4A | DC 5V 4A/10 | DC 19V 6.3A |
| dimension (W/H/D) | 68 x 42x 68 mm | 332x 130 x 104 mm | 440x 270 x140 mm | 595 x 220 x 600 mm |
| weight | 120 g | 1,2 kg | 3 kg | 14 kg |

* subject to availability





**tourGuide TG-48**

| charging station/shape | Dual-slot-charger* | 10-slot table station | 24-slot charger carry bag | 32-slot charger carry bag | 60-slot charger drawer* |
|---|---|---|---|---|---|
| number of charging slots | 2 | 10 | 24 | 32 | 100 |
| power supply | 5 V 3 A-DC | 5 V 3 A-DC | 5 V 3 A-DC | 5 V 3 A-DC | 230.V.AC |
| dimesion (W/H/D) | 90 x 95 x 90 mm | 90 x 95 x 350mm | 440 x 150 x 240 mm | 500 x 150 x 350 mm | 590 x 140 x 376mm |
| weight | 100 g | 600 g | 3,9 kg | 6,3 kg | 8,0 kg |

* subject to availability

# OVERVIEW TOURGUIDES

| | tourguide PLAY | tourguide GO | tourguide GO+ | tourguide AIR | tourguide TG-48 |
|---|---|---|---|---|---|
| size | very small | small | small | small | tiny |
| analogue/digital | digital UHF | digital UHF | digital UHF | analogue UHF | analogue/ digital |
| sound quality | standard | good | good | high quality | premium quality |
| usability | simple | standard | standard | standard | sophisticated for admins |
| battery | 2 x AA rechargeable | 1 x AA rechargeable | 1 x AA rechargeable | Li-Po 1.300mAh | Li-Po 600mAh |
| operating time | 32 hours | 12 — 14 hours | 12 — 14 h | 18 hours | 11 — 12 hours |
| (operation) range indoor | >90 m | >100 m | >100 m | >100 m | >180 m |
| (operation) range outdoor | >120 m | >140 m | >140 m | >150 m | >200 m |
| bidirectional | no | no | yes | no | no |
| weight incl. battery | 97 g | 66 g | 66 g | 49 g | 50 g |
| display | yes (LCD) | yes (LCD) | yes (LCD) | yes (LCD) | OLED 128*64 dot |
| micro output | 3,5mm, 2/3pin minijack | 3,5mm, 4pin minijack | 3,5mm, 4pin minijack | 3,5mm, 2/3pin minijack | 3,5mm, 3pin minijack |
| external antenna | no | no | yes | yes | yes |
| frequency A 863-865 MHz | yes | yes | yes | yes | yes |
| channels | 20 | 20 | 20 | 16 | 1600 |
| frequency B 823-832 MHz | yes | yes | yes | yes | yes |
| channels | 90 | 90 | 90 | 51 | 1600 |
| frequency C 863-865 MHz + 823-832 MHz | yes | yes | yes | yes | yes |
| channels | 110 | 110 | 110 | 67 | 1600 |
| latency | 22 ms | 22 ms | 35ms | no | no |
| charging connector | MicroUSB | MicroUSB | MicroUSB | MicroUSB | 4 Pin (Pogo) |
| dimensions mm (B/H/T) | 50x70x25 mm | 40x84x24 mm | 40x84x24 mm | 40x82,6x12 mm | 42x69x14 mm |
| signal to noise ratio | 50 dB | 71 dB | 61 dB | 71 dB | 92 dB |
| dynamic range | 81 dB | 81 dB | 81 dB | 81 dB | 80 dB |
| RF output | 10 mW | 10 mW | 10 mW | 10 mW | 1 / 10 / 20 mW |
| operation temperature | -10° C — +50°C | -10°C — +50°C | -10°C — +50°C | -10° C — +50°C | -20°C — +70°C |
| aux in/out | no | yes | yes | no | no |
| digital pilot tone and digital noise lock | no | yes | yes | no | no |
| auto Sync Channels | no | yes | yes | no | no |
| logo sticker space | yes | no | no | no | no |
| in display logo | no | no | no | no | yes |
| sturdiness | very robust | robust | robust | high quality | high quality |
| global «quick setup tool» for channels | yes, by a sync kit | yes, by a sync kit | yes, by a sync kit | yes, by a sync kit | no |

Optionally with induction loop, hand microphone, if necessary USB single cable for charging individual devices.

# OUR REFERENCES

## Travel and Tourism

| | | |
|---|---|---|
| DE | Berlin | Goldmann Travel |
| DE | Berlin | Travel Club Viva D'or |
| DE | Berlin | Yacht Charter & Tourist Boats |
| DE | Binz | Sightseeing Trains Rügen GmbH |
| DE | Bucholz | HIT-Reiseclub GmbH |
| DE | Elmenhorst | Kofahl Travel GbR |
| DE | Fulda | Tourism and Congress Management |
| DE | Gnadenberg | Merz Travel |
| DE | Hamburg | Hapag Lloyd Cruises |
| DE | Leipzig | Segway Tours Leipzig |
| DE | Potsdam | Film park Babelsberg |
| DE | Rostock | A-ROSA river boat GmbH |
| DE | Weimar | Classic Foundation Weimar |
| AT | Arnoldstein | Bernhard Wastian Travel |
| AM | Yerevan | Caucasus Holidays LLC |
| CH | Neuh. am Rheinfall | Rhyfall Mändli Rhine Falls Tours |
| FR | Avignon | Palais de Papes & Pont d'Avignon |
| FR | Clermont-Ferrand | Vulcania Theme Park |
| GE | Tbilisi | Concord Travel LLC |
| IT | Cagliari | NewWay Sardinia Tours |
| IT | Pisa | Eco Voyager City Tour |
| LU | Esch-sur-Alzette | RedRockRegion |

## Industry and Business

| | | |
|---|---|---|
| DE | Berlin | POSITIONS Art Fair Berlin |
| DE | Erlangen | Siemens AG |
| DE | Landsberg | The Edeka Group |
| DE | Mengen | Gaggli Noodle House |
| DE | Plattling | Interpane Glas AG |
| AT | Linz | Brau Union Austria AG |
| AT | Pöllau | Kapo Furniture Workshops GmbH |
| AT | Vienna | Cycleenergy Biomass Power |

| | | |
|---|---|---|
| CH | Niederweningen | Bucher-Guyer AG |
| CH | Rheinfelden | Feldschlösschen Drinks AG |
| CH | Zürich | Gate Gourmet Switzerland GmbH |
| CH | Zürich | Otto Fischer AG |
| FR | Obernai | Hager Forum |
| UK | Edinburgh | Scotch Whisky Experience |

## Museums and Cultural Institutions

| | | |
|---|---|---|
| DE | Brühl | Brühl Castle |
| DE | Dresden | National Art Collection Dresden |
| DE | Erfurt | Andreasstraße Memorial Site |
| DE | Köln | Museum services Cologne |
| DE | Mainz | State Museum Mainz |
| DE | Münster | Art Museum Pablo Picasso |
| DE | Stuttgart | State Museum Württemberg |
| DE | Stuttgart | Mercedes-Benz Museum |
| AT | Wien | Leopoldmuseum |
| AT | Wien | Natural History Museum |
| CH | Basel | Fondation Beyeler |
| CH | St. Gallen | Abbey Library |
| CH | Zürich | Fraumünster Parish |
| CN | Montreal | Museum of Fine Arts |
| CZ | Terezín | Terezín Memorial |
| FR | Valence | Museum of Valence |
| IT | Bologna | Museum of Modern Art |
| TR | Istanbul | Dolmabahçe Palace |
| TR | Istanbul | Beylerbeyi Palace |
| TR | Istanbul | Istanbul Modern |
| UK | Oxford | Bodleian Library |

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