

WORLD



Defining the future of digital radio

# 20th WorldDAB General Assembly

## Driving growth through marketing and innovation

4 - 5 November 2014  
Rome, Italy

in partnership with:



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#wdmbga2014



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## Welcome to the 20th WorldDMB General Assembly



Dear colleagues

Thank you for coming to WorldDMB's 20th General Assembly. It's a pleasure to welcome you to Rome.

This General Assembly takes place at a time when DAB/DAB+ digital radio is making significant advances around the world. In the last three years, we have seen national launches in Germany and Netherlands. We have also seen important steps forward in Poland, France and Italy and in Norway, we expect the Government to confirm the exact timing of Digital Switchover early next year.

Across Europe, the Arab States, Southern Africa and the Asia Pacific region, there is growing interest in the DAB family of standards and our aim now is to build a critical mass of nations around the world to secure a digital future for radio. This international progress is also impacting the attitudes of other industries. In particular, in the automotive sector, interest amongst product planning and marketing teams is growing (technical teams have been engaged for some time) and in the UK and Norway the majority of new cars now come with DAB/DAB+ as standard.

It is essential that we continue this drive towards a digital broadcast future. Certainly, the industry needs to embrace the challenges and opportunities presented by IP, but only broadcast provides robust, universal mobile coverage, is free to air and allows an unmediated and anonymous relationship with listeners. DAB/DAB+ enhances the broadcast platform by offering greater content choice, superior sound quality and a range of added value multimedia services. For this reason, we believe that digital broadcast will provide the core distribution backbone for radio in the 21st century. Over the two days of the General Assembly, we will be discussing many of these issues – and looking to share and build on the experience of digital radio markets around the world.

It only remains for me to thank the Project Office, our Italian partners and our sponsors for making this event possible. In particular, I would like to thank Bernie O'Neill, Giorgio Guana of Pure and Sergio Natucci of ClubDAB Italia. I look forward to seeing you and talking with you in Rome.



**Patrick Hannan**

President, WorldDMB

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## Welcome from the Project Office



The programme for this year's General Assembly includes a strong focus on consumer marketing, technical innovations, and new receivers for both the home and in-vehicle. These topics reflect the shifting focus of WorldDMB members, which can be seen also in the task forces and working groups which are now available to members. Over the last year we have seen the establishment of an Automotive Working Group, a Hybrid Radio Task Force, a Digital Switch Over Group, and a Consumer Marketing Group which has its first meeting at this event. Several WorldDMB members are actively involved in the Universal Smart Phone Radio Project. You will hear more from all of these groups over the course of these two days.

The growing interest and deployment of DAB/DAB+ is reflected in the many DAB events and seminars which have taken place in the last year across Europe, Asia Pacific, South Africa, and the Arab States. It is thanks to the network of experts which makes up the WorldDMB membership, that we have been able to offer these events, a number of one-to-one meetings with several major automotive manufacturers, as well as tailored industry tours for delegations from countries planning the rollout of digital radio.

Membership has continued to grow throughout 2014, and has increased by 11% year-on-year. The Project Office thanks all our members for their support and enthusiasm in sharing information and knowledge on the rollout of DAB/DAB+ digital radio. We hope you enjoy this General Assembly, and we look forward to working with you for further progress in 2015.



**Bernie O'Neill**

Project Director, WorldDMB

## PROGRAMME AT A GLANCE

### DAY 1: TUESDAY 4 NOVEMBER 2014

11:30	12:00	Registration
12:00	13:30	Networking lunch
13:30	13:35	Opening welcome
13:35	13:50	Welcome keynote: Syes
13:50	14:05	European Broadcasting Union
14:05	14:20	Arab States Broadcasting Union
14:20	14:35	Asia-Pacific Broadcasting Union
14:35	14:50	Discussion topic: Broadcast vs IP and the battle to get into smartphones
14:50	15:10	COFFEE
15:10	16:00	General Assembly meeting of WorldDMB (Member Only Session)
16:00	16:15	Presentation of WorldDMB Award for Outstanding Service
16:15	18:15	Optional tour: Visit to Catacombs of St Callixtus
20:00	23:00	WorldDMB Gala Dinner

### DAY 2: WEDNESDAY 5 NOVEMBER 2014

08:45	09:15	Registration
09:15	09:30	Opening address: President, WorldDMB
<b>Session 1 – An overview of the Italian Digital Radio market</b>		
09:30	09:45	Digital Radio Italy
09:45	10:00	Ministry of Economic Development
10:00	10:15	Autorità per le Garanzie nelle Comunicazioni (AGCOM)
<b>Session 2 – Country updates and switchover plans</b>		
10:15	10:45	Asia Pacific, Norway, Denmark, Germany, United Kingdom, Switzerland
10:45	11:15	COFFEE
<b>Session 3 – Retail and Marketing of Digital Radio</b>		
11:15	11:25	An update on global and Italian radio receiver sales
11:25	12:25	Marketing showcase – new and ongoing digital radio consumer campaigns
12:25	12:45	Digital radio receiver showcase
12:45	12:55	Launching the digital radio tick mark in the UK
13:15	14:15	LUNCH
<b>Session 4 – Innovations</b>		
14:15	14:30	Innovations in radio
14:30	14:45	LBC's transformation from a London radio station to a national brand
14:45	14:55	Update on local DAB+ broadcasting in Switzerland
14:55	15:05	Superior sound quality with DAB
15:05	15:15	The first tunnels in Italy with DAB+ and Emergency Warning System trial
15:20	15:35	COFFEE
<b>Session 5 – Automotive Update</b>		
15:35	15:50	Radio's place in today's car dash board
15:50	16:00	The user interface in-car – the Australian perspective
16:00	16:05	The user interface in-car – the UK perspective
16:05	16:15	Traffic and travel over DAB
16:15	16:25	The Garmin personal navigation device featuring TPEG via DAB+
16:25	16:35	The impact of the progressive "softwarization" of radio functions on new car infotainment architectures
16:35	16:40	Q&A
16:40	16:45	Closing remarks

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## AGENDA

## DAY 1 – TUESDAY 4 NOVEMBER 2014

11:30	12:00	<b>Registration</b>
12:00	13:30	<b>Networking lunch</b>
13:30	13:35	<b>Opening welcome</b> Patrick Hannon President, WorldDMB and Vice President Corporate Development, Frontier Silicon
13:35	13:50	<b>Welcome keynote</b> DAB+ as a business opportunity - the Syes perspective Nino Leuratti, Director of System Integration, Syes
		<b>Regional Broadcasting Union updates</b>
13:50	14:05	<b>European Broadcasting Union</b> Christian Vogg, Head of Radio, Media Department, European Broadcasting Union
14:05	14:20	<b>Arab States Broadcasting Union</b> Bassil Zoubi, Head of Transmission, Arab States Broadcasting Union
14:20	14:35	<b>Asia-Pacific Broadcasting Union</b> Amal Punchihewa, Director of Technology, Asia-Pacific Broadcasting Union
14:35	14:50	<b>Discussion topic</b> <b>Broadcast vs IP and the battle to get into smartphones</b> Gunnar Garfors debates the need for both broadcasting and the internet in the future of distribution. He goes through the challenges of getting DAB+/DMB into mobile phones and highlights why the radio industry needs to work not only with hardware manufacturers, but also MNOs. Gunnar Garfors, President of International DMB Advancement Group (IDAG) and Advisor on Distribution at Norwegian Broadcasting Corporation (NRK)
14:50	15:10	<b>COFFEE</b>

## General Assembly meeting of WorldDMB (Member Only Session)

15:10	15:20	<b>Report from the WorldDMB Technical Committee</b> Lindsay Cornell, WorldDMB Technical Committee Chair and Principal Systems Architect, BBC Future Media
15:20	15:30	<b>Report from the WorldDMB Asia Pacific Committee</b> Joan Warner, WorldDMB Asia Pacific Committee Chair and CEO, Commercial Radio Australia
15:30	15:40	<b>Report from the WorldDMB Regulatory and Spectrum Committee</b> Hanns Wolter, WorldDMB Regulatory and Spectrum Committee Chair and Technical Director at Club DAB Italia
15:40	15:50	<b>Report from the WorldDMB Finance Committee</b> Phil Laven, WorldDMB Treasurer, European Broadcasting Union
15:50	16:00	<b>Report from the WorldDMB Steering Board</b> Patrick Hannon, WorldDMB President and Vice President Corporate Development, Frontier Silicon
16:00	16:15	<b>Presentation of WorldDMB Award for Outstanding Service</b>
16:15	18:15	<b>Optional tour: visit to the Catacombs St. Callixtus</b>
20:00	23:00	<b>WorldDMB Gala Dinner</b> Casina Valadier Villa Borghese Piazza Bucarest 00187 Roma, Italy

## Networking Drinks and Gala Dinner

This year, the Networking Drinks and Gala Dinner will take place at the Casina Valadier.

The Casina Valadier is built on the highest point of the Pincio Hill in Rome, on what used to be known as the Collis Hortulorum, where the wealthiest families of the city owned their gardens. As the name says, the building was constructed by the architect Giuseppe Valadier, between the years 1816 and 1837. Valadier was a logical choice of builder, since he was also responsible for the new look of the Piazza del Popolo.



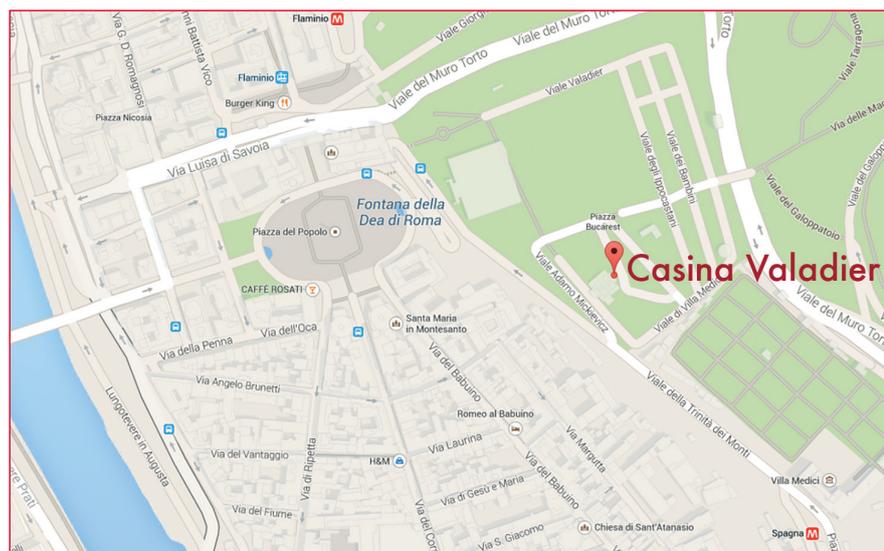
Before Valadier built his neo-classical palazzo, there used to be another building the Casino della Rota in the same site, which in its turn had been constructed on top of the ruins of an ancient cistern.

After World War I the Casina Valadier became an important place for Rome's cultural and political elite and its guest book includes names as diverse as Gandhi, Pirandello and Strauss. The Casina, which had been turned into a restaurant in 1920, was closed in 1990 for restorations that would end up taking 14 years.



**20:00 – 23:00**

**Casina Valadier, Piazza Bucarest 00187 Roma, Villa Borghese**



### Public Transport:

Metro A: Flaminio or Spagna  
Linea ferroviaria Roma/Viterbo: Stazione Flaminio  
Bus: 88, 95, 490, 491, 495  
Tram: 2

## Tour of the Catacombs of St. Callixtus (for delegates with reservation)

The Catacombs of St. Callixtus are the largest and most important in Rome. Built in the second century AD, this impressive network of underground mazes houses the graves of sixteen popes, many martyrs and Christians, are adorned with examples of Christian frescoes, paintings and sculptures.

For delegates that have booked their place on this guided tour, transport will collect you from the Crowne Plaza St. Peters. The tour will be approximately 45 minutes before transport makes a return route to the hotel through the stunning Roman scenery.

**16:15 coach pick up from Crowne Plaza**



## DAY 2: WEDNESDAY 5 NOVEMBER 2014

08:45	09:15	<b>Registration</b>
09:15	09:30	<b>Opening address</b> Patrick Hannon President, WorldDMB and Vice President Corporate Development, Frontier Silicon
<b>Session 1: An overview of the Italian Digital Radio market</b>		
		Digital radio coverage in Italy is at 65% of the population. Regular services started December 2012 in the Trentino region. Club DAB Italia and Rai have announced a network extension plan to be completed within 2015. Additional regions will be licensed throughout 2014. EuroDAB was recently awarded the second national commercial licence (in Trentino). An industry-funded heavyweight advertising campaign is now under way to inform consumers, retailers, car vendors, car dealers and all stakeholders about digital radio.
09:30	09:45	<b>Digital Radio Italy</b> Sergio Natucci, Chief Operations Officer, Club DAB Italia
09:45	10:00	<b>Ministry of Economic Development</b> Antonello Giacomelli, Under Secretary of State for Communications
10:00	10:15	<b>Autorità per le Garanzie nelle Comunicazioni (AGCOM)</b> Antonio Martusciello, Commissioner, AGCOM Vincenzo Lobianco, Director of Electronic Communication Network Department, AGCOM
<b>Session 2: Country updates and switchover plans</b>		
		<b>Moderator:</b> Patrick Hannon, President, WorldDMB, Vice President Corporate Development, Frontier Silicon
10:15	10:45	Norway's switch-off of FM in 2017 is on course and is having a ripple effect beyond its borders. An interactive round table session during which participants provide an update on the status of switch-over planning in their territories: <b>Asia Pacific</b> Joan Warner, WorldDMB Asia Pacific Committee Chair, CEO, Commercial Radio Australia <b>Norway</b> Ole Jørgen Torvmark, CEO, Digital Radio Norge <b>Denmark</b> Lars Kierkegaard, Head of Business Development, Teracom A/S <b>Germany</b> Reiner Mueller, Technical Director, BIM, Germany <b>UK</b> Ford Ennals, CEO, Digital Radio UK <b>Switzerland</b> René Wehrin, Project Manager, Digitisation and Convergence, OFCOM, Switzerland <b>An invitation to Radiodays Europe, 15-17 March 2015, Milan</b> Anders Held, Co-founder and Manager, Radiodays Europe
10:45	11:15	<b>COFFEE</b>

## Session 3: Retail and Marketing of Digital Radio

**Moderator:** Béatrice Merlach, CEO, MCDT

Key elements to market development are raising awareness and explaining the benefits to the consumer, educating and working with the retail trade.

11:15 11:25

### **An update on global and Italian radio receiver sales**

Trends for consumer electronic sales including an update on audio products and digital radio receiver sales in Italy over the past 12 months.

Duccio De Santis, Senior Account Executive, Consumer Electronics GfK

11:25 12:25

### **Marketing showcase – new and ongoing digital radio consumer campaigns**

#### **Italy – industry collaboration on marketing and communications**

Fabrizio Savorani, Marketing Consultant, Club DAB Italia

#### **Germany – a holistic approach to marketing**

Michael Reichert, Head of ARD Project Office Digital Radio, SWR Germany

#### **The Netherlands – how to be proactive in the early stages of launch**

Jacqueline Bierhorst, Project Leader, Digital Radio+ Network, The Netherlands

#### **Norway – planning products for a digital switch over (tablets, mobile phones, auto)**

Jarle Ruud, Marketing Manager, Digital Radio Norge

#### **Switzerland – DAB to DAB+ and marketing towards a DSO announcement**

Béatrice Merlach, CEO, MCDT

#### **Australia – campaign case study**

Joan Warner, WorldDMB Asia Pacific Committee Chair, CEO, Commercial Radio Australia

12:25 12:45

### **Digital radio receiver showcase**

A look at the latest and upcoming DAB+ digital radio receivers with some of the major manufacturers:

Paul Smith, Executive Vice President and General Manager, PURE

Matthew Allen, Sales and Marketing Director, View Quest

Kenneth Wong, President, Kensen Technologies Hong Kong

Rolando Paludo, Digital Broadcasting Technology Manager, Sony Europe Limited (Italy)

12:45 12:55

### **Launching the digital radio tick mark in the UK**

Ford Ennals, CEO, Digital Radio UK

12:55 13:00

### **Q&A**

## **Radio Vaticana – from Marconi to DAB**

**Fr Federico Lombardi SJ, Director General of Vatican Radio and Director of the Holy See Press Office**

Set up in 1931 by Guglielmo Marconi, today Vatican Radio's programmes are offered in 44 languages, and are sent out on short wave, FM (analogue and digital terrestrial), satellite, internet and other digital platforms (mobile, app). Programming is produced by over 200 journalists from over 60 countries. Vatican Radio produces more than 25,000 hours of simultaneous broadcasting covering international news, religious celebrations, in-depth programmes, and music.

13:15

14:15

LUNCH

## Session 4: Innovations

	<b>Moderator:</b> Lindsay Cornell, WorldDMB Technical Committee Chair and Principal Systems Architect, BBC Future Media	
14:15	14:30	<b>Innovations in radio</b> Every day, technology developments create even more interesting and competing media experiences for consumers. What can radio do to harness technology to turn threats into opportunities, and adapt to new ways of delivering entertainment and information to people? Nick Piggott, Head of Creative Technology, Global Radio, Chair of the RadioDNS Project
14:30	14:45	<b>Case study on innovative content on DAB</b> How digital radio is part of LBC's transformation from a London radio station to a national brand that's leading Britain's conversation. James Rea, Managing Editor, LBC, Group Head of News, Global Radio
14:45	14:55	<b>Update on local DAB+ broadcasting in Switzerland</b> Regular DAB+ transmissions for local and community radio started in 2014 in Geneva and Zurich. An update on how these transmissions have been organised, the technical infrastructure and current status. Mathias Coinchon, Senior Project Manager, Technology & Innovation, European Broadcasting Union
14:55	15:05	<b>Superior sound quality with DAB</b> DAB+ offers a never-before-achievable level of listening pleasure. An overview of technical aspects and a "listen and feel the difference" session. Davide Moro, Broadcast Consultant, Italy
15:05	15:15	<b>The first tunnels in Italy with DAB+ and Emergency Warning System trial</b> Johann Silbernagl, Technical Director, Rundfunk - Anstalt Südtirol (RAS)
15:15	15:20	<b>Q&amp;A</b>
15:20	15:35	<b>COFFEE</b>

## Session 5: Automotive Update

	<b>Moderator:</b> Eugenio La Teana, Head of Research and Development, RTL 102.5 Hit Radio	
15:35	15:50	<b>Radio's place in today's car dash board</b> An overview of where radio sits within the dashboard on new cars coming off the production line. Michael Hill, Founder and Managing Director, UK Radioplayer Ltd
15:50	16:00	<b>The user interface in-car – the Australian perspective</b> Joan Warner, WorldDMB Asia Pacific Committee Chair, CEO, Commercial Radio Australia
16:00	16:05	<b>The user interface in-car – the UK perspective</b> Ford Ennals, CEO, Digital Radio UK
16:05	16:15	<b>Traffic and Travel over DAB</b> Infoblu supports Autostrade per l'Italia in providing traffic news via radio, and is developing services using DAB. Fabio Pressi, CEO, Infoblu
16:15	16:25	<b>Garmin nüvi - personal navigation devices featuring TPEG via DAB+</b> A look at Garmin's product, quality requirements, customer benefits and plans for product rollout. Olaf Meng, Senior Product Manager, Traffic Solutions EMEA, Garmin
16:25	16:35	<b>The impact of the progressive "softwarization" of radio functions on new car infotainment architectures</b> This presentation will have a specific focus on modular multi standard and multi-tuner solutions. Marco Carbone, Director of Radio Products (Automotive Product Group), STMicroelectronics
16:35	16:40	<b>Q&amp;A</b>
16:40	16:45	<b>Closing remarks</b> Patrick Hannon President, WorldDMB and Vice President Corporate Development, Frontier Silicon



# Hybrid Radio

Combining broadcast and the internet - making radio better



Hybrid Radio is a seamless combination of DAB/DAB+ and IP connectivity, enabling interactivity and rich media. **It's an app-like experience of broadcast radio.**

RadioDNS Hybrid Radio and WorldDMB have collaborated on common technical standards for Hybrid DAB/DAB+ Digital Radio. Broadcasters, manufacturers and developers can use one specification to span broadcast and IP.

RadioDNS is the not-for-profit organisation supporting Hybrid Radio. Contact our project office for information on becoming a member of RadioDNS.

## Principal Sponsor



SYES has been successfully manufacturing and providing equipment, systems and solutions for broadcasting for over 30 years. Syes operates worldwide with a lean structure and keeps key functions in-house, focusing on R&D. In addition to multiple standard high efficiency broadcasting transmitters (air/liquid cooled) and antenna systems, Syes has developed and released a complete line of DAB+ transmitters.

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## Event Partner Sponsors



GatesAir provides complete over-the-air radio and television solutions, leveraging wireless spectrum to maximise performance for multichannel, mission-critical services. Powering over-the-air networks worldwide with unparalleled reliability for nearly 100 years, GatesAir's digital and analog turnkey solutions enable broadcasters to expertly and efficiently create, transport and transmit radio and TV content.



The Rohde & Schwarz electronics group is a leading supplier of solutions in the fields of test and measurement, broadcasting, secure communications, and radiomonitoring and radiolocation. Founded more than 80 years ago, this independent global company has an extensive sales network and is present in more than 70 countries. The company is headquartered in Munich, Germany. In collaboration with Club DAB Italia is a consortium authorised as a national network operator with broadcasting licenses in Trentino-Alto Adige and trial licenses for all remaining Italian regions. Covering 65% of the Italian population and 3400+ km of highways, Club DAB Italia operates 20+ DAB transmitter sites in a Single Frequency Network configuration. Club DAB Italia is also a founding member of WDMB.

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## Lanyard Sponsor



Founded in 1976, RDS is the third biggest national commercial radio network. Its format includes a number of programs hosted by well-known speakers of the network. Musical content of great quality, a selected playlist with the biggest national and international hits from the 90s up to today and the winning mix of news, sport and service, make the style of RDS increasingly identifiable in the national radio landscape.

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## Exhibitors



Established in 1979, ALDENA TELECOMUNICAZIONI is one of the leading antenna manufacturer and services in the broadcasting industry. ALDENA has developed new antennas for radio and television digital transmissions suitable for medium/high power antenna systems along with a full range of high performance RF accessories and added value services (Radio planning Consultancies, On Field activities, In Factory tests). The Company is involved in different projects and trials for new DAB /DVB-T2 networks all over the world.



Brionvega is an historical Italian Brand. It reintroduces truly iconic products in industrial design and technical innovation, products that are new but historically coherent with the brand's tradition. Its challenge is to combine tradition and technological innovation, starting from the design, then adding newer elements for the highest audio performance.



Connects2 Ltd is the market leader in Europe for the supply of car audio interfaces, providing electronic boxes that allow aftermarket radios and other audio devices to be fitted seamlessly into most vehicles. The Connects2 brand has become firmly associated with quality and has achieved a position where major vehicle manufacturers and car audio manufacturers regularly commission us to design and develop specific interface solutions.



DIGIDIA has emerged as one of the leading companies for digital radio transmission equipment with more than 300 digital radio equipments deployed all over the world. The DAB product range includes multiplexers, encoders, EDI/ETI IP gateways, monitoring equipment, professional receivers and tunnel break-in products. DIGIDIA leads the way with its straight forward design for innovative, compact and flexible products.



Elenos Broadcast is a world leader in manufacturing innovative, state-of-the-art FM transmitters. We are a Global Company and our FM transmitters are known worldwide for having the highest RF and Audio performance in the market. With over 40,000 transmitters installed in more than 100 countries, our experience and huge customer base support our mission of constant innovation, focusing particularly on the new digital radio and DAB+ broadcasting.



Factum is a world leader in the area of DAB/DAB+/DMB Digital Multimedia Broadcast, NICAM digital stereo sound for television and Middleware for integration in DAB/DMB receivers. We use state-of-the-art technology and principles, many of which emanate from years of research in close co-operation with our specialist and expert users representing well renowned broadcasting corporations.



Glovane Co. Ltd is a leading supplier of digital radio total solutions with rich experiences. We are focusing on DAB solution for automotive market with RF integrated single SoC and dual baseband SoC. Furthermore, we also have RF integrated DAB SoC and DAB modules for consumer market.



Kensen Technologies is a leading consumer electronics company focus on developing digital electronic products including various types of digital radio and wireless technologies. With a strong professional team of over 40 experienced engineers and over 12 years of product design experience in digital radio, we offer innovative, uniqueness and high quality products to our customers globally.



Pure is the UK consumer electronics company that started the DAB digital radio revolution and now dominates that market worldwide. From pioneering video, graphics and sound products in the early days of PC multimedia to multiroom speaker systems and best-selling DAB digital radios, Pure has consistently delivered consumer electronics products with an acclaimed mix of high performance and ease of use. Pure's innovative and award-winning products use technologies developed by its UK-based parent company Imagination Technologies.



Radioscape has developed and delivered innovative and reliable DAB, DAB+ and DMB monitoring systems, providing unrivalled flexibility and scalability to its clients via the range of IP based products enabling highly cost effective, but technically excellent solutions. We are proud to support the majority of the world's digital radio monitoring and safety equipment.



SEDICOM is an Italian company which boasts more than 25 years of experience in production and distribution of software solutions, based on 3D modelling of the territory, for analysis and design of technological networks. Its attention is focused on solutions for network planning and design, providing software tools for analogue and digital broadcasting for both radio and television, microwave and much more.



View Quest is a unique British brand, designing and manufacturing DAB+ radios inspired by the fusion of Sound & Style. Our award winning acoustic development ensures all our products feature the latest technology and unbeaten sound quality. Couple this technical excellence with our creative flair and our products don't just sound great, they look great too.

### Select your platform and get the right solution for DAB

1

CUBE



1RU IPC, 2RU IPC, 4RU IPC



Cloud



2

### FlexiDAB \*

Multi-multiplexer  
and multi-encoder

### EasySpy

Multi-ensemble  
RF& ETI/EDI monitor

### DAB BI 2.0

Tunnel Break-in System

\*

On air in France  
With 44 encoders and  
7 multiplexers

**DAB KEY REFERENCES:** TDF, ARQIVA, NORKRING, PCCW, SENTECH

#### ABOUT DIGIDIA

**DIGIDIA** has emerged as one of the leading companies for digital radio transmission equipment with more than 300 digital radio equipments deployed all over the world in three technologies: Synchronous FM, DAB/DAB+/DMB (Eureka147) and DRM30/DRM+, all covered with with a broad and complete product line including multiplexers, content servers, modulators, IP gateways, monitoring equipment, professional receivers, encoders, decoders and tunnel break-in products. DIGIDIA leads the way with its straight forward design for innovative, compact and flexible products. All products are IP based and contain the latest COFDM and Software Defined Radio technology on state of the art PC and FPGA/DSP platforms.





...digital radio on the move



# Seamless DAB Integration

AutoDAB-SWC interfaces allow plug and play Digital Radio integration with your OEM head unit. Digital Radio can be controlled directly from the vehicles steering wheel controls.

## Features

- Plug and Play installation
- Stores favourite stations
- 100's of new radio stations
- No box on view
- No wires on view
- Fully integrated
- Maintains FM stations
- Controlled from steering wheel controls
- Uses car's current display
- Voice prompt menu system
- Displays: radio text, song & artist information



The **AutoDAB GO** DAB receiver is a universal Digital Radio receiver and display with integrated Bluetooth features. With compatibility across all vehicles the AutoDAB GO is the quick, easy, simple solution to get Digital Radio in your vehicle.

Features: Listen to unique stations in Digital Audio via 3.5mm Aux out, automatic tuning and selection by station name, effortlessly stream music via Bluetooth.



The **AutoDAB LITE** is a universal Digital Radio tuner featuring DAB and DAB+, compatible with all FM head units. Simply connect inline to the vehicle FM antenna, connect power, and enjoy Digital Radio on the move. DAB stations are controllable with the supplied IR remote control.



The **AutoDAB LITE** is DAB/DAB+ Digital Radio receiver compatible with any aftermarket head unit with an AV Input. The unit offers an on screen station list together with radio station information such as artist/song playing and other broadcast station information. All features are controllable with the supplied IR remote control.



[www.AUTODAB.COM](http://www.AUTODAB.COM)  
CONTACT SALES FOR MORE INFORMATION: +44 (0) 121 522 5588

## Speakers and Moderators

### **Matthew Allen**, Sales & Marketing Director, View Quest



Matthew has years of experience in managing established and emerging brands in the consumer electronics industry. Most notably before his current role as Sales and Marketing Director at View Quest, Matthew worked with the likes of Nintendo, Sega Europe and Trilogy Group. Matthew has been instrumental in the expansion of View Quest which has seen the brand establish distribution partnerships across Europe, spreading their British inspired Sound & Style ethos to Belgium, Denmark, France, Germany, Norway, Spain, Switzerland and The Netherlands.

### **Jacqueline Bierhorst**, Project leader, Digital Radio+ Network, The Netherlands



Jacqueline Bierhorst has been a pioneer in commercial radio since 1987, specialising in distribution, marketing and content, she has become an all-rounder. She has a strong track record in launching and leading successful commercial television and radio channels in The Netherlands and Belgium. Since 2011 she has been project leader on the roll out of the Digital Radio+ Network in The Netherlands for all commercial broadcasters, which was launched the 1st of September 2013. In this role she is closely involved also in the cooperation between public and commercial broadcasters on behalf of the joint roll out and marketing of DR+ in The Netherlands.

### **Marco Carbone**, Director of Radio Products (Automotive Product Group) STMicroelectronics



After gaining a degree in electronic engineering from the Polytechnic University of Milan in Italy, Marco began his career at Siemens Telecom designing and validating telecommunications radio systems. In 1996, Marco joined STMicroelectronics, where he is now Director of Radio Products within its Automotive Product Group based in Agrate Brianza, Italy.

### **Mathias Coinchon**, Senior Project Manager, Technology & Innovation, European Broadcasting Union



At EBU, Mathias co-ordinates the activities on the future of radio and organises the Radio Week and Summit, Radiohack workshop. He is also Vice-Chairman of WorldDMB Technical Committee, Secretary of RadioDNS (hybrid radio) and follows DRM consortium's activities. He has an M.Sc. degree in Communication Systems Engineering from EPFL, Switzerland, and the Eurecom Institute in France. He developed his diploma thesis at BBC R&D on Digital Radio Mondiale. Before joining the EBU, Mathias worked for the Swiss broadcasting corporation (SRG-SSR/RSR) on networks and the re-launch of Digital Radio in Switzerland. In his spare time, he is involved in helping community radio stations and runs a non-profit association and website on open techniques for Digital Radio ([opendigitalradio.org](http://opendigitalradio.org)).

### **Lindsay Cornell**, Principal Systems Architect for the BBC's Future Media division and WorldDMB Technical Committee Chairman



Lindsay leads the work on 'The Future of Radio' which provides technical leadership to the development of radio technologies that will maintain and extend the reach of the BBC's radio services, both in the UK and across the globe. The work is highly collaborative, partnering with a wide range of industry groups. Lindsay has considerable knowledge of creating standards through his work as a Specialist Task Force leader at ETSI and his roles as Chairman of the World DMB and DRM Technical Committees. Lindsay brings a rare combination of scientific understanding, technical experience, project management and people skills to bear upon the topic of global radio development.

## Duccio De Santis, Senior Account Executive, Consumer Electronics GfK



Duccio is responsible for analysis and interpretation of market data and trends for consumer electronics at GfK, the world's leading market research and consumer information institution in technical consumer goods and entertainment markets. Before joining GfK he worked for Confindustria CECEC Italia (National Association of Household and Food Service Equipment manufacturers) and Siemens Italia. He has a degree in Management Engineering from the University of Bologna.

## Ford Ennals, CEO, Digital Radio UK



Ford Ennals is Chief Executive of Digital Radio UK, who are responsible for leading the market and consumer transition to digital radio in the UK. DRUK represent the major commercial broadcast groups and the BBC and are responsible for digital radio communication campaigns and working with the vehicle industry to ensure digital radio is fitted in cars. They are working with the UK Government and media regulator Ofcom to plan a future digital radio switchover and achieving consumer listening and coverage criteria. Ford was CEO of Digital UK and developed the implementation and communication plan for the successful UK digital TV switchover. Previously Ford was Managing Director at Universal Music Group.

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**Gunnar Garfors**, President, International DMB Advancement Group (IDAG) and Advisor on Distribution, Norwegian Broadcasting Corporation (NRK)



Gunnar Garfors is President of International DMB Advancement Group (IDAG), an organisation promoting digital radio and mobile TV world-wide. He also deals with distribution for Norwegian Broadcasting Corporation (NRK) and often presents or debates at media conferences around the world. Gunnar is an avid traveler and author, recently publishing "198" about his travels to all of the world's 198 countries.

**Antonello Giacomelli**, Secretary for Economic Development with responsibility for Telecommunications and frequencies



Antonello Giacomelli began his career as a television journalist, before joining the Cecchi Gori Group where he later became Director. From 1999 to 2004, Antonello was Deputy Mayor of Prato, where he worked on the reform of local public services in the fields of networks and energy. In 2004, he later became secretary of the regional authority of Margherita Party and was elected to the Chamber of Deputies to supplement the College of Scandicci. Elected in subsequent parliamentary elections, he joined the defence committee and later, with the birth of the Democratic Party, he became a member of the national executive and head of the Democratic Party. In the current legislature he was Group PD Party Vice-President of the Chamber of Deputies.

**Patrick Hannon**, VP Corporate Development, Frontier Silicon & President, WorldDMB



Patrick Hannon is Vice President Corporate Development at Frontier Silicon, the leading provider of technology solutions for digital radio. He was elected President of WorldDMB in November 2013. His role is to work with policy makers, regulators and industry players (including public and private broadcasters, network operators, device manufacturers, retailers and automotive manufacturers) to ensure that digital radio is successfully rolled out in as many territories as possible. Before joining Frontier Silicon, Patrick was a strategy consultant focused on broadcast and digital media. Previously, he held senior strategy and commercial roles at the BBC and BBC Worldwide.

**Michael Hill**, Founder and Managing Director of UK Radioplayer Ltd, UK



Michael is the Founder and Managing Director of UK Radioplayer Ltd, the company created by the BBC and Commercial Radio to grow online listening. Mike previously worked at Channel 4 and the BBC - where his 20-year career spanned Radio and TV technical operations, BBC News journalism, and leadership of stations like BBC Radio 5live, 5live Sports Extra, and the BBC Asian Network.

**Lars Kierkegaard**, Head of Business Development, Teracom A/S



For over 15 years, Lars has managed the development of media broadcast infrastructure (TV and radio), telecommunications and public safety industries. Since joining Teracom Denmark in 2010, Lars has led the integration of Teracom Sweden and Teracom Denmark's product portfolios following their purchase of Broadcast Service Denmark. Lars has a M.Sc. degree in Civil Engineering and Masters in Information and Communication Technology from Aalborg University, where he is also a member of the advisory board at the Centre for Communication, Media & Information & Communications Technologies.

### Eugenio La Teana, Head of Research & Development, RTL 102.5 Hit Radio



In addition to his role at RTL 102.5 Hit Radio, Eugenio is actively involved with EuroDab Italia and on a Digital Radio Task Force, whose main objective is to coordinate the roll out of digital radio in Italy. Since joining RTL 102.5 in 2002, Eugenio has worked on creating interactivity through television which became 102.5 Hit Channel and later worked on discovering new ways of integrating radio-tv-internet and mobile phone. Following this, Eugenio returned to radio, launching the Traffic Message Channel on the RTL network. Today Eugenio is one of the best known European experts on "Services over DAB network". He continues to work on the launch of Mobile TV over T-DAB (TDMB).

### Philip Laven, Treasurer, WorldDMB Forum



Philip Laven has been Treasurer of the World DMB Forum since 2005. He has played an active role as a member of the Steering Board since 1997. He is also Chairman of DVB which develops standards for digital TV. In April 2013, he became Chairman of the FOBTV initiative, which aims to develop a global harmonised standard for digital terrestrial TV. Between 1997 and 2007, he was Technical Director of the European Broadcasting Union based in Geneva, Switzerland. Before joining the EBU, he worked for the BBC in various senior posts including Chief Engineer R&D and Controller of Engineering Policy, thus playing a leading role in the development of the BBC's policy on many technical developments, such as the introduction of digital audio broadcasting and digital television.

### Nino Leuratti, System Integration Director, Syes



Nino Leuratti has worked in engineering and technology for over twenty years with extensive knowledge in digital terrestrial television systems for broadcasting and distribution. At Syes, he is responsible for technical training, foreign market technical support and defence application unit development and management. Specific achievements include custom radio link development for a key customer and providing technical support for the technology selection and tendering for DTV distribution for Raiway. He holds a telecommunications engineering degree from University Politecnico Milano and a Masters in Information Technology from CEFRIEL Politecnico Milano.

### Vincenzo Lobianco, Director of the Electronic Communications Network and Services Direction, Autorità per le Garanzie nelle Comunicazioni (AGCOM), Italy



Vincenzo holds an MS in Electronic Engineering and has been with AGCOM since 2000. In his current role as Director of Electronic Communication Network and Services Directorate, Vincenzo is responsible for the coordination of frequency and numbering assignment plans, horizontal regulatory decisions in telecommunication and the monitoring and the enforcement of AGCOM decisions notably in the wholesale market. The Directorate is also in charge of the monitoring of regulatory accounting systems of notified operators and for dispute resolution.

### Fr. Federico Lombardi, Director General, Radio Vaticana and Director of the Holy See Press Office



Fr. Federico Lombardi is the Director General of Radio Vaticana since 2005 and Director of the Holy See Press Office as of 2006. Until 2013 he was also Director of the Vatican Television Centre. Prior to this role, Father Federico was Deputy Editor of Jesuit publication "Civiltà Cattolica" and Program Director of Radio Vaticana. Father Federico has a licentiate in Philosophy, a degree in Mathematics and a licentiate in Theology.

## Béatrice Merlach, CEO, MCDDT



Béatrice has over 15 years of management experience in marketing, communications and sales in Switzerland and abroad, including ten years as an executive board member. For over three years she has worked with SRG SSR as Head of Communications and Marketing and is member of the Executive Board of SR DRS, who were responsible for the launch of DAB/DAB+ in Switzerland.

## Antonio Martusciello, Commissioner for Networks and Infrastructure, AGCOM



Antonio has been working within the Media and Communications industry for over twenty years since graduating in Public Administration in 1993, including post as President of Mistral Air Srl. When first elected, he was a member of the Budget Committee, before becoming a member of the commission which oversaw the reorganisation of the Italian broadcasting system. Subsequent political appointments include First Secretary for the Environment, Deputy Minister for Cultural Heritage and member of the Committee for Culture, Science and Education in the Chamber of Deputies. He lectures on new media and consumer guarantees at the Suor Orsola Benincasa University of Naples.

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**Olaf Meng**, Senior Product Manager, Traffic Solutions EMEA, Garmin

Olaf Meng joined the Garmin team as Product Manager Automotive in February 2007 from Hewlett-Packard where he served as a Category Manager for Consumer Products. He then became Senior Product Manager for Traffic Solutions EMEA in April 2013. The goal of the team is to introduce and improve traffic services for Garmin PNDs, AutoOEM and Garmin Mobile Navigation. Garmin Traffic Solutions are available via broadcast and on connected systems. His responsibilities include working together with external partners as well as the Garmin country sales and marketing teams in EMEA and the Garmin headquarter and engineering in Olathe, Kansas. Olaf Meng has a strong background in IT and retail business and earned his degrees at the school of business administration in Heidelberg.

**Davide Moro**, Broadcast Consultant

Since graduating with a PhD in Electrical Engineering (Power Systems and Energy Management), Davide has enjoyed a career spanning over twenty years at the forefront of broadcasting technology and systems within purchasing and research for Telecom Italia Mobile, RAI and Rai Way. Since leaving RAI, Davide has consulted on several products as a freelance broadcast engineer and since 2009 regularly contributes to technical publications including Broadcast & Production, TV Technology Europe and Radio World International.

**Reiner Müller (Dipl. Ing.)**, Technical Director, Bayerische Landeszentrale für neue Medien

Reiner studied Telecommunications Engineering before joining Deutsche Bundespost in Munich and then Cable Pilotproject Munich as a Project Manager. In 1985, he joined BLM and was appointed Technical Director in 1990 where he is responsible for all technical issues regarding the handling and distribution of private programmes in Bavaria via cable, satellite and terrestrial. Reiner is a member of a number of working groups and committees involved in all technical issues regarding digital broadcasting in Germany, domestically and internationally.

**Sergio Nattuci**, Chief Operating Officer, Club DAB Italy

Club DAB Italy is a joint venture corporation, the first private radio service broadcast digital audio operator, owned by the major Italian publishing groups and some independent stations. Sergio has spent much of his professional career in radio holding positions representing the publishers of this sector at a national and European level as Secretary General and Associate RNA Radio National President of AER Association Européenne des Radios. He became a member of the board and chaired the European committee of the World DMB Forum. As a professional journalist, he has published many articles on radio and has served as a correspondent for the European Parliament.

**Rolando Paludo**, Digital Broadcasting Technology Manager, Sony Europe Limited – Italian Branch

Rolando Paludo has been working at Sony since 1991, supporting digital broadcasting technologies in cooperation with major Italian TV broadcasters and providers, radio broadcasters and broadband services. He has managed several initiatives to ensure digital products are developed in compliance with statutory and market requirements.

**Nick Piggott**, Head of Creative Technology at Global Radio (UK), Chair of the RadioDNS Project

Nick has spent the majority of his career working in the commercial radio industry. In the late 90's he built up a small multi-skilled team to launch the world's first commercial Digital Radio stations. Under Nick's leadership, that team has consistently delivered innovative new services to radio stations. Nick is one of the founders of RadioDNS Hybrid Radio, an open technology project that lets broadcast radio and IP work together, combining the power of broadcasting to reach many people and the power of the internet to deliver enhanced or personalised content.

**Fabio Pressi**, CEO, Infoblu, S.p.A.

Fabio has been CEO of Infoblu, a company of the Autostrade per l'Italia Group, since 2010. He has 20 years of experience as a senior and top manager in the transport sector, both as an executive and in the direction of the R&D department, with more than 10 years spent in the development of ITS industrial products and services. He is aged 48 and is a graduate of the Politecnico of Turin with a Degree in Electronic Engineering.

**Amal Punchihewa**, Director ABU Technology, Asia-Pacific Broadcasting Union

Amal has over twenty nine years' experience working as an engineer in both academia and broadcast industries. Since beginning his career as a computer engineer, he has worked in the broadcasting industry as a research engineer before moving to Head of Engineering for the national television broadcaster in Sri Lanka. Amal has a MEng in digital video signal processing and a Phd in image & video compression artefacts. He has published over a hundred articles in reputed journals and conference proceedings. Amal is a Chartered Professional Engineer-CEng, Fellow of the IET, Senior Member of IEEE and a Member of IPENZ, New Zealand.

**James Rea**, Managing Editor, LBC, Group Head of News, Global Radio

James runs Britain's commercial news talk radio station, LBC. The station sets the UK news agenda with ground-breaking shows including programmes fronted by the Deputy Prime Minister, Nick Clegg and Mayor of London, Boris Johnson. Under James' leadership, LBC has achieved its highest ever audience figures and it recently switched from a London to a nationwide broadcaster on DAB digital radio. At the age of 34, James orchestrated the historic debate between the Liberal Democrats and Ukip on Britain's membership of the European Union. As well as running LBC, James oversees Global's news operation. He was recently named one of the most influential people in London.

**Michael Reichert**, Head of ARD Project Office Digitalradio, SWR Germany

Michael works at the SWR Radio HQ in Baden-Baden and is responsible for strategic groups such as the media-research project 'Future Radio' (with commercial radio stations) and the coordination of SWR internal and online projects. Michael also represents SWR (and the ARD network) in EBU and RadioDNS working groups. Since July 2011, he has led ARD's Digitalradio Project Office, a joint marketing initiative of public broadcasters ARD, Deutschlandradio, the nationwide commercial broadcasters (DRD GmbH) and the network operator Media Broadcast.

**Jarle Ruud**, Marketing Manager, Digitalradio Norway

From 1994 – 2003 Jarle worked for Panasonic Norway as Product manager for different areas within consumer electronics. In 2003 Jarle was Product manager for TV including responsibility for integration of digital receivers into the Nordic product line, at Panasonic Nordic (Stockholm), until 2008. Since then, Jarle has been at Digitalradio Norway as Marketing Manager, responsible for coordination of marketing activities with the electronics trade and the car trade.

### Fabrizio Savorani, Marketing Consultant at Club DAB Italia



With over 19 years in Media and Entertainment Industry, Fabrizio has developed his skills as a professional Marketing and Communication Manager and Publisher in major media companies. He has extensive know-how and relationships in radio and TV broadcasting, internet and advertising, entertainment and publishing.

His experience is mainly focused on business management for content, branded content and entertainment, covering the entire spectrum of broadcasting, talent, publishing, licensing and merchandising, comics, animation, movies/TV, video games, action sports, food and toys. He provides marketing, organizational and communication solutions to the radio industry, supporting stations and brands with strategic positioning studies and market and music researches, audience ratings analysis and programming monitoring. He also provides online brand marketing and Social Media Marketing strategy.

### Johann Silbernagl, Technical Director, Rundfunk – Anstalt Südtirol (RAS)



Johann has worked at RAS for over thirty years, first starting as an HF engineer before taking up the role of Technical Director in 2006. Johann is responsible for the planning of new transmitter sites, expansion of DVB-T and DAB SFN-networks, the development of transmitting systems including VHF and UHF antenna systems. He is also member of the regional commission for new communication infrastructures. Johann holds a Dipl. Ing. (TU) in Electrical Engineering.

### Paul Smith, Executive Vice President and General Manager, PURE



Paul has been with Imagination Technologies for over 20 years. Despite his electronics background, Paul has enjoyed a number of senior commercial roles within the business before taking over as General Manager of its Pure consumer electronics business in 2006. Paul has been instrumental in helping Pure achieve the status as the recognised global leader in digital radio receivers. Paul also sits of the group's executive management board and oversees other strategic areas for Imagination. Recently, Paul has driven Imaginations efforts into new connected areas such as internet radio & music streaming services (Pure Connect) and wireless multiroom systems (Jongo).

### Ole Jørgen Torvmark, CEO Digital Radio Norge



Digital Radio Norge is owned by the Norwegian radio industry, represented by P4 and NRK. DRN is the operator of one of the two national as well as several local DAB multiplexes. On behalf of the broadcasters DRN also has the overall responsibility for information activities related to the digitisation of radio. Ole Jørgen Torvmark has worked with radio and digital media since 1992. In recent years he has also worked for companies in the telecom and music industries. Relevant companies are TeliaSonera Norway, IFPI, Aspiro (Wimp), Radio 2 Digital, Nordic Web Radio and Radio 1 Norway.

### Christian Vogg, Head of Radio, Media Department, European Broadcasting Union



Prior to joining EBU, Christian Vogg worked with EBU German Member WDR, where he was an editor, reporter and presenter, being engaged mainly with radio but also with TV and deployed as a Foreign Correspondent in the Arab World. He then became Senior Advisor for the Director General, and was involved also in developing the organisation's digital strategy. Christian led the project to create the new online audio and video portal WDR Mediathek. Afterwards he coordinated WDR's metadata strategy. At EBU he is responsible for the world's largest music exchange and the strategic development of radio in the converging digital media world.

### **Joan Warner**, Chief Executive Officer, Commercial Radio Australia



As CEO of CRA Joan was responsible for the planning, rollout and implementation of DAB+ digital radio in the five metropolitan capitals covering up to 60% of the Australian population and continues the DAB+ implementation for commercial radio broadcasters across regional Australia. She also oversees the whole of industry marketing campaign, Radio Codes of Practice, audience survey contracts and industry copyright agreements. She is responsible for the annual National Commercial Radio Conference, Siren Creative Awards and Australian Commercial Radio Awards. She has worked at senior executive levels in the private and government sectors and holds four degrees including a Master of Business Administration and a Master of Education.

### **René Wehrlin**, Project Manager, Digitisation and Convergence, OFCOM Switzerland



René has been active in journalism and media since his youth, working for various newspapers, as well as in radio and television. After completing his master's degree (history, political sciences, economics and journalism) he switched to the federal administration. At OFCOM he has worked on the digitisation of broadcasting which includes the phase-out of analogue cable television, the regulation of HbbTV as well as working with the radio industry to coordinate the introduction of DAB+.

### **Hanns Wolter**, Technical Director, Club DAB Italia



Hanns has been working in the DAB world for fifteen years since joining Club DAB Italia as a Product Manager. In his current role as Technical Director, Hanns has worked on all issues regarding DAB, at both a national and international level. He is involved in network planning and spectrum issues and also works closely with hardware manufacturers for the deployment of a comprehensive DAB environment. He is responsible for the management of the ongoing roll-out of Club DAB Italia's network and all issues related to the creation, distribution and transmission of the multiplex.

### **Kenneth Wong**, President, Kensen Technologies



Kenneth Wong has over 24 years experience in the semiconductor and electronics industry. He has strong technical know-how in emerging technologies, IP licensing and international business development. He is the co-founder and president of Kensen Technologies which is an innovative and technically oriented company focused on developing digital consumer electronic products including various types of digital radio and wireless products. He is also the co-founder of ValenceTech Ltd. and Legend-Valence Holding Ltd which are fully-owned subsidiaries of SRS Labs and Lenovo Group respectively.

### **Bassil Zoubi**, Head of Transmission, Technical Department, Arab States Broadcasting



Bassil Zoubi graduated in 1987 as a Communication Engineer and since 1989 he has worked in various fields of broadcast engineering (news & sports production, satellite and terrestrial transmission). Bassil is a member of the planning exercise team (PXT) that was responsible for preparing the tools for the Planning of VHF/UHF in the broadcast spectrum.

## About WorldDMB

**WorldDMB is the global industry forum for digital radio, facilitating the adoption and implementation of digital broadcast radio based on DAB, DAB+ and DMB.**

Our global membership is made up of senior executives and technical professionals from over 88 organisations across the industry involved in the roll out of digital radio. We work with public and commercial broadcasters, network providers, receiver, chip and car manufacturers and government and official bodies to encourage international co-operation and a smooth roll-out of services.

WorldDMB delivers tailored solutions and advice on all aspects of the switch from analogue to digital radio including regulation, licensing, technical trials, network build-out, marketing and production of new digital radio content. Solutions are delivered through industry events, car manufacturers' workshops, tailored workshops and seminars and through our website and members-only information portal.

### WorldDMB Member Representatives – Linking the Experts on Digital Radio

Member representatives are the backbone of WorldDMB membership. They are key staff from member organisations, country or regional managers, sales, technical, strategic marketing and press. Member representatives receive regular industry updates, discounted or free registration to WorldDMB events and access to members only industry information and documents.

### WorldDMB Committees – Involving Members

Only WorldDMB members can join and attend WorldDMB Committee meetings and access all current and past committee documents. The committees provide opportunities for international networking, sharing information and skills and making valuable professional business contacts. They are the core vehicles for issue based interaction on technical, regulatory and spectrum issues. The committees are member-led and self-managed, each with its own programme of meetings, task forces and internal communications.



### WorldDMB Technical Committee

- Oversees the standardisation of the DAB family of standards
- Ensures that receiver equipment and broadcast technologies are compatible
- Upgrades and advances the standard in line with technical developments
- Looks to the future-proofing of receiver and broadcast equipment

### WorldDMB Regulatory and Spectrum Committee

- Lobbies to ensure the availability of sufficient frequencies for digital radio
- Identifies problems related to frequency availability and works to resolve them
- Provides guidance on what works best in the regulatory framework

### WorldDMB Asia Pacific Committee

- Supports the implementation for digital radio in the Asia Pacific region
- Advises on regulation, licensing, technical trials, network build out, marketing and production of new digital radio content
- Offers information on business case scenarios, retailers and manufacturers, affordable receivers, marketing & PR strategies

### Events – Facilitating exchange on best practice for rollout of digital radio

Every year, WorldDMB organises events, conferences, tailored workshops and seminars, bringing together industry stakeholders for information exchange and valuable networking opportunities. These include the annual WorldDMB General Assembly, automotive workshops in Europe and Asia Pacific and several digital radio workshops that are a part of the industry's major global events and exhibitions (IFA, GSMA, IBC, Telematics Munich, Broadcast Asia). Through these events, WorldDMB offers members the opportunity to share best practice, sponsor and promote their products and services.

For more information on membership and member opportunities, please contact [projectoffice@worlddab.org](mailto:projectoffice@worlddab.org) or visit [www.worlddab.org](http://www.worlddab.org)





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