

:update

#020



PGM

Wuppertal



Los Angeles



15:31:54





THIS IS NOT

STATE-OF-THE-ART
WIRELESS
COMMUNICATION



BOLERO BY RIEDEL

Bolero, RIEDEL's game-changing new wireless intercom solution, is an expandable, full-roaming, DECT-based intercom system in the license-free 1.9GHz frequency range. Fully integrated into RIEDEL's Artist digital matrix intercom platform, Bolero offers a rich set of features and connectivity that can be applied three ways: as an exceptional wireless beltpack, as a wireless keypanel, and — in an industry first — as a handheld Walkie-Talkie.

Bolero runs over a standards-based AES67 IP network. Decentralized antennas connect to AES67 switches and then to Artist frames equipped with AES67 client cards, providing a fully integrated point-to-point intercom ecosystem with seamless roaming capabilities. To the system, the beltpacks look just like RIEDEL panels but are wireless, providing the highest levels of flexibility and programmability.

The Bolero high-clarity voice codec provides both higher speech intelligibility and more efficient use of RF spectrum supporting twice the number of beltpacks per antenna for the same audio bandwidth as other DECT-based systems. The codec has exceptional latency characteristics while being very efficient with processing power, providing excellent beltpack battery life, and saving DSP processing power for other functions.

Bolero features RIEDEL-exclusive ADR (Advanced DECT Receiver) technology, a diversity receiver technology specifically designed to reduce sensitivity to multipath RF reflections, making the system useable in challenging RF environments where other systems have great difficulty.

"Bolero is a category-changer for wireless intercom systems. A lot of time and effort has gone into every phase of Bolero's development, a true ground-up development touching all aspects of design. We are proud to share that the BBC is already building their new studio intercom systems around the Bolero wireless concept."

Thomas Riedel

CEO of RIEDEL Communications.

THIS IS STATE-OF-THE-ART WIRELESS COMMUNICATION

"When we designed Bolero, we wanted to make life as easy for the customer as possible. Registration can be a complex process that requires a user to go into the beltpack menu and apply a pin code so the beltpack can be registered to the antennas. This process can easily take 2 mins per beltpack. Imagine doing that for 25 beltpacks! Bolero incorporates Near Field Communication technology into both the beltpack and the active antenna. The user needs only to touch the beltpack to the antenna to complete the registration process."

Jake Dodson

Director of Product Management at
RIEDEL Communications.

The beltpacks support Bluetooth 4.1, allowing either a Bluetooth headset or a Smartphone to be connected. When a Smartphone is connected, the beltpack can act like a car's "hands free" setup so the user can receive calls on their phone and talk and listen via their beltpack headset. Users can also make calls and then connect that person into the intercom matrix, eliminating the need for a telephone hybrid.

Based on RIEDEL's extensive rental experience, the beltpacks use a combination of premium materials, including high-impact plastics and rubber overmolds, to create a tough device with an ergonomic feel that provides easy use and handling. The display can be inverted so that it is readable in any orientation.

The beltpack itself features six buttons for each of the six intercom channels, plus a separate "Reply" button that easily facilitates a reply to the last channel that called. Finally, in an industry first, the beltpack can be used without a headset like a walkie-talkie radio utilizing an integrated mic and speaker.



E-Ink Display – Readable even without power supply

100 antennas per system = industry-leading 100 beltback capacity per system

Intelligent use of bandwidth results in 10 beltbacks per antenna

Standards-based, decentralized, AES67 IP-networked antennas

Fully re-programmable FPGA to handle future networks

Up to six full-duplex keys plus convenient REPLY button to last caller

RIEDEL-exclusive ADR receiver technology overcomes multipath issues

Modern, high-clarity voice codec increases beltback to antenna density

Integrated mic and speaker for headset-free operation

Can be used as a beltback, a portable desktop keypanel, or Walkie-Talkie

Fully integrated with Artist for point-to-point comms and ease of use

No registration headaches! Touch the beltback to the antenna and GO!

Next generation, digital, global license free, 1.9GHz DECT band

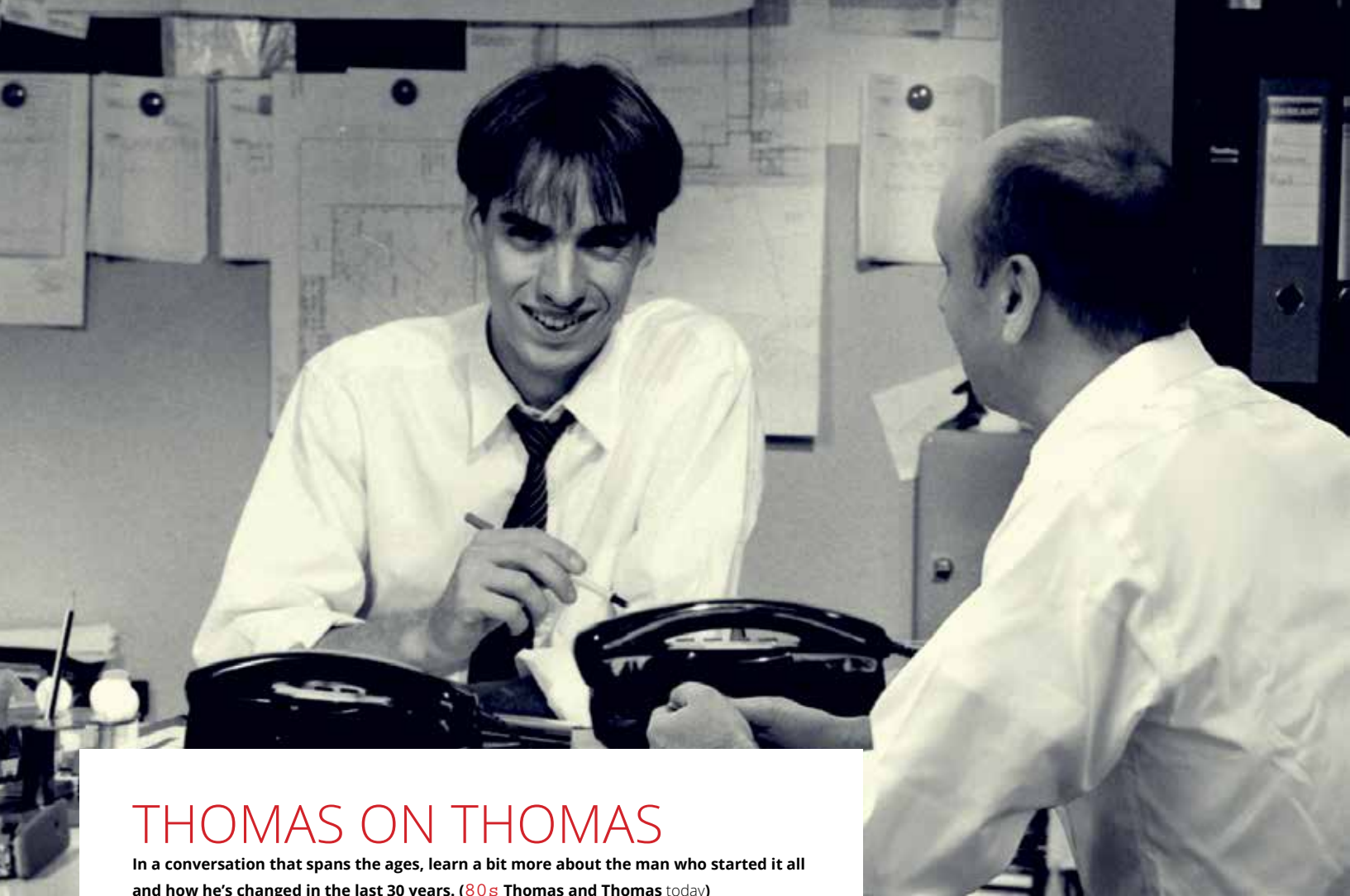
Tough, ergonomic, beltback built to survive

Integrated Bluetooth technology for wireless headsets or phone connection

Bottle opener – just in case!

IP-65 environmental sealing





THOMAS ON THOMAS

In a conversation that spans the ages, learn a bit more about the man who started it all and how he's changed in the last 30 years. (80s Thomas and Thomas today)

Thomas, what philosophy will you always hold on to?

That with hard work and close attention, anything is possible. How about you?

That by finding great people and giving them the tools to do their jobs, great things can happen.

And how do you find great people?

A lot of it is trial and error. Not everyone will be a fit for your company or its culture. By setting a good example, rewarding success, and allowing people to make mistakes and learn from them, good people will find YOU. The best piece of advice I can give to you is that you have great instincts. Trust them and you'll be fine. Do you have any advice for me?

Yes! Remember those early days of not knowing where the next gig was coming from? Never forget what it was like to start from nothing. It keeps us humble. And hungry! Looking at you now, I guess everything turned out okay?

I think I would have liked to have had a little bit more patience. I have been very fortunate along this journey and there may have been times along the way that I went a little bit too fast. Timing is everything. There were many bumps along the way. But yes, everything has turned out BETTER than okay!

But let's have some fun, now. What secret do you entrust only to your barber?

Ha! As you can see, I don't go to the barber very often! There's no time! I'm so busy!

Well yes, I don't go to the barber much these days either, but for a different reason! Grow it while you can, Junior! And I can only hope that you're so busy because you're having as much fun as I'm having.

I am having a blast! We live in such exciting times and to be hanging out at F1 races and other sporting and entertaining events is so cool. By being at the events I get to see, first hand, where I can help. I'm thinking about developing an intercom solution right now and already have a name. What do you think of Artist?

I think that's a great name. And I know that you'll do great things with it. Do you have a "Dream Project" in mind as you're getting started?

Well, it would be really cool to be involved in a remote from the moon, don't you think?

Yes, that would be cool! And can I tell you a secret? It's not quite the moon but there will be this company called Red Bull. Keep an eye out for them! And who knows? Maybe the moon next!

Well, it's been great talking to you, Thomas. You're doing a great job and, 30 years later I'm still working hard to keep your dream going. I hope we can do this again sometime soon...

It's been great talking to you, too. Any last words of wisdom for me?

Yes. Maybe you should make time for that haircut!



BRITISH BOLERO CLUB

BBC Studioworks' New Television Centre is a Showcase for RIEDEL's New Wireless Comms System

When BBC Studioworks launches its dazzling new Television Centre this September, the studio and postproduction facility will be a showcase of leading-edge technologies – including RIEDEL's new Bolero wireless communications system. The new facility will be used by broadcasters and independent production companies to produce content ranging from both live and recorded sitcoms and panel shows to entertainment and event TV.

Sitting within a vibrant media-focused site in the center of London, Television Centre will provide over 22,000 sq. ft. of new studio space to the market as well as fantastic new edit facilities, all served by an array of flexible support areas. Television Centre promises to be the most up-to-date studio and postproduction facility in the UK.

In selecting the broadcast infrastructure and kit for Television Centre, BBC Studioworks required solutions that could be not only robust but provide the flexibility to meet a wide range of customer demands. After 18 months of customer consultations and technical evaluations, BBC Studioworks named RIEDEL as one of the key players in a technology ecosystem that will meet customers' requirements both now and into the future.

Hardwired and radio communications systems are the bloodline of any television studio. BBC Studioworks is the very first studio provider to adopt Bolero, RIEDEL's all-new wireless intercom system. Designed for flexible and constantly changing production environments, Bolero is an expandable, full-roaming, DECT-based system in the license-free 1.9GHz frequency range. Television Centre takes full advantage of Bolero's seamless integration with the Artist digital matrix intercom platform, delivering a whole new level of robustness in production communications and performance.

Television Centre remains dedicated to what BBC Studioworks has always been most famous for – creating unforgettable television. The company prides itself on taking a collaborative approach with its customers and technology providers, and therefore has ensured that the equipment at Television Centre is the very latest and most sought-after by production professionals. It's a huge vote of confidence for RIEDEL's wireless and intercom systems.



IMPRINT

Published by RIEDEL Communications GmbH & Co. KG
Uellendahl Str. 353
42109 Wuppertal
Germany
www.riedel.net
Editorial Director: Serkan Güner
Contact: update@riedel.net

© 2017 RIEDEL Communications GmbH & Co. KG.
All rights reserved. Windows is a registered trademark of Microsoft Corporation. All trademarks are the property of their respective owners. Product specifications are subject to change without notice. This material is provided for information purposes only; RIEDEL assumes no liability related to its use. April 2017.

RIEDEL MEDIORNET AND
ARTIST CONQUER THE
MOUNTAINS AT 2017
FIS ALPINE SKI WORLD
CHAMPIONSHIP IN ST.
MORITZ



RIEDEL's MediorNet and Artist played a key role at the 2017 FIS Alpine Ski World Championship, held in February in St. Moritz, Switzerland, by providing an integrated communications backbone that supported virtually every aspect of the event. Working in conjunction with the Artist digital matrix intercom system, MediorNet's real-time signal transport, processing, and routing enabled a robust and flexible media and communications network that contributed significantly to the safe and smooth running of the ski championship.

Working with the Alpine Ski World Championship's local organizing committee, a team from RIEDEL Communications Switzerland AG planned, installed, and operated a digital, redundant radio network that provided a base for reliable communications among 30 different user groups. More than a dozen Artist intercom frames and over 200 Artist panels — for NEP, BR, and ORF amongst others — supported more than 600 radio users for timing, race management, security, logistics, and production. In addition, the network provided simple and convenient monitoring of the relay stations installed at St. Moritz for optimal radio coverage.

Host broadcaster SRG and its subsidiary, Technology and Production Center Switzerland AG (TPC), used the MediorNet network to produce a main feed on behalf of the European Broadcasting Union (EBU), which served as the basis for worldwide TV transmissions. Numerous other TV networks, such as Eurosport (with NEP as the OB service provider), ARD, ORF, and RAI, also trusted MediorNet and Artist to support their live broadcasts. MediorNet MicroN high-density media distribution network devices enabled a redundant and decentralized signal routing and transport infrastructure and supported a mobile, flexible

production with higher bandwidth, additional connection options, and integrated processing features.

A total of 38 cameras were positioned along the course and at the start and finish areas. More than 40 kilometers of fiber optic cables linked the international broadcasting center to production sites at Salastrains (runway and finish area) and the Kulmpark (award ceremonies and drawing of bib numbers). MediorNet handled signal distribution for the live commentary as well as the stadium video presentations, allowing the TV and production feeds to be transmitted to LED walls in the finish area. RIEDEL's SmartPanel interface, together with its new control App, and RIEDEL's STX-200 professional Skype interface also supported the stadium TV presentations.

Of the more than 200 intercom panels provided for the Ski World Cup, 40 were used by event and

organization personnel at specific locations. Police and paramedics in St. Moritz were also able to leverage the Artist network, connected via VoIP. RIEDEL Communications Switzerland AG created a specially designed event "cockpit" in which three RIEDEL team members monitored the event and communicated vital information, such as race shifts or delays, to other user groups.

The ski championship's organizing committee knew that a holistic and reliable communications infrastructure would be absolutely indispensable to the success of this event. With RIEDEL, they had an expert technology partner that developed a comprehensive strategy for weaving together all of the complex threads of communication required. This ensured a near-perfect championship that heightened spectators' experience and — above all — ensured a safe event for everyone both on and off the slopes.

The Alpine Ski World Championship's St. Moritz ski championship is one more example of how RIEDEL has become the communications leader for international winter sports events.





THE STORY TELLER

A few questions for **Christian Bockskopf**

What inspires you?

Not so much is surprising these days but I am really inspired by people who act and think differently than you might expect. It is easy to go along with the current. I'm inspired by those who dare to go it alone.

How would you value RIEDEL as a brand?

RIEDEL is a very strong brand within the realm of broadcast communications and related technologies. We may not be McDonald's, but you will find us hard at work at events around the world every day.

What does the 30th anniversary mean to you?

We are already well into the planning for a huge celebration in December. But personally, I am proud of what we have accomplished in the first 30 years and I still enjoy coming to work every day. The entrepreneurial spirit of the company is as strong now as it was in the beginning and I can wait to see what the future brings.

What one piece of advice do you give to new employees when hiring them?

We will give you with the freedom to use whatever tools available to you to reach your goals. But you must reach them. We very much value individuality and innovation here at RIEDEL.

Describe the color red to somebody who is blind.

Red is when a fire glows, when your heartbeat increases.

Christian Bockskopf
Head of Marketing
RIEDEL Communications



BAUER ON!

It was way back in 1996 when Thomas RIEDEL first answered a call for tenders and spoke about a new intercom system for the ORF. The tender was cancelled for various reasons.

Time passed. The tender was issued and cancelled two more times over the next two years!

Finally, in May of 1998, the tendering procedure was changed to a new, negotiated procedure and the company consortium consisting of RIEDEL and Elpro was awarded the job. Over the following months, the development was preceded, and some might say impeded, by the incredible meticulousness of Thomas RIEDEL. Many on the team were getting first-hand experience with Thomas' unique management style and drive for perfection!

In April of 1999, the structure of the entire intercom system suddenly changed. The product name went from "R2000" to "Artist" and instead of a "central station" the system was comprised of ten mainframes that were networked with optical fiber.

I remember well the heated conversations between the technical director, Mr. Moosmann, and Thomas. But the goal was always clear to Thomas: to develop the world's largest and most modern intercom system for the ORF.

In February of 2001, the first mainframe was set up with a number of microphone stations in the ORF-Z laboratory. From this point on, intensive troubleshooting and development of the system software began in joint testing with ORF and RIEDEL. During this time, I was allowed to enter Thomas' head a little, and very quickly recognized his enthusiasm and unbounded will to get the job done. In the coming months, I spent a lot of time with Thomas, his employees, and the new intercom system.

Just last year, we exchanged a mainframe for the newest generation and equipped some of them with VoIP ports. The system size is now 968 ports and there are approximately 375 keypanels in operation. Most of the mainframe ports are analog 4-wires for cameras or "n-1" command lines to external sites.

For many years, we at ORF had the largest Artist installation in the world and we were able to provide a "real-world test environment" for new system capabilities that the RIEDEL team were able to install at night. I think that the great cooperation between the RIEDEL and ORF teams, and the mutual trust in the success of the project, helped the success of the Artist.

In 2005, the ORF was introduced to a system called MediorNet, a digital signal distribution solution for broadcasters. We worked with the developer to make the system suit our purposes but, after a year of development, we lost the confidence that we would get a highly modern and useful system.

A few years later we noticed that RIEDEL had taken over and further developed the system. Needless to say, this step has also led to an incredible success. Today MediorNet has become an essential part of ORF's mobile productions and there are still numerous areas of applications to explore.

The success story of RIEDEL has been an incredible journey and I am happy to have played a small part in it, particularly in my friendship with Thomas, that continues to this day.



ORF's Andreas Bauer, long-time friend of Thomas, reflects on the beginnings of RIEDEL.



JAPAN'S EXPRESS CO, LTD. LOOKS TO THE 4K FUTURE WITH RIEDEL



Express Co, Ltd., a Japanese provider of live broadcast production services, recently marked its 55th anniversary with the launch of its very first 4K production truck. The new OB van, which will equip Express Co, Ltd. to address customers' rising demand for 4K content, features state-of-the-art signal distribution and communications technology from RIEDEL Communications. The RIEDEL gear includes the MediorNet Compact real-time media network — the 1,500th MediorNet Compact frame deployed worldwide— as well as Artist digital matrix intercom and Performer partyline systems.

Express Co, Ltd. chose RIEDEL's MediorNet for the flexibility that it brings to their new 4K-capable OB van, with the Artist and Performer systems providing world-class wired and wireless communications and interoperability with MediorNet. RIEDEL uses a fiber-based networked approach and tight integration between products to facilitate smooth installation and management of MediorNet, Artist, and Performer systems into both fixed and mobile facilities. For Express Co, Ltd.'s new truck, the RIEDEL systems enable fast, simple setup and configuration while minimizing cabling.

MediorNet Compact is a modern stagebox that provides the flexibility of a true real-time media network at the price point of simple point-to-point products. Enabling cost-effective fiber-based signal transport for 3G/HD/SD-SDI video, audio, data,

and intercom, MediorNet Compact streamlines the infrastructure of any mobile production while opening the door to 4K production. Integrated signal-processing capabilities, including frame sync, frame store, and embedding/de-embedding, help to reduce the number, weight, and cost of required components within the truck.

RIEDEL's Artist gives Express Co, Ltd. an advanced modular communications platform with the power and versatility to address the varying demands of modern intercom applications. The Artist's fiber-based network provides a decentralized infrastructure that can simplify the distribution of audio while ensuring crisp, reliable intercom communications.

Express Co, Ltd. has launched the new 4K van at a perfect time, when Japan's ambitious plans for rolling out 4K broadcasts are starting to come to fruition and demand for 4K production services is rapidly growing. Using RIEDEL's MediorNet technology, already proven in 4K production for some of the world's most prestigious sporting events, Express Co, Ltd. can meet this business opportunity with an innovative OB van that handles all signals effectively. Plus, Express Co, Ltd. can be confident in the field-proven quality and reliability of their RIEDEL signal transport and communications infrastructure.



BELLA VISTA!

RIEDEL'S ARTIST DRIVES COMMS INFRASTRUCTURE FOR VISTA STUDIOS, AN ALL-NEW, STATE-OF-THE-ART PRODUCTION FACILITY IN LOS ANGELES

A brand-new landmark in Los Angeles' Playa Vista technology center, also known as Silicon Beach, Vista Studios is the city's first purpose-built 4K/IP live production and channel origination facility. Vista Studios is entrusting its entire communications infrastructure to RIEDEL's state-of-the-art solutions, including the Artist digital matrix intercom and Performer digital partyline intercom systems.

These RIEDEL core systems are enabling versatile and reliable communications across the entire state-of-the-art, 30,000-square-foot Vista Studios campus, supporting production and postproduction activities across 17,000 square feet of stages, full-service VR studios, and a live broadcast facilities infrastructure. The 4K-capable, IP-based facility will also serve as a technology and training center for the complete line of RIEDEL products.

Artist serves as an advanced modular communications platform for Vista Studios, providing with the power and versatility to address the varying demands of modern intercom applications. The Artist's fiber-based network provides a decentralized infrastructure that can simplify the distribution of audio while ensuring crisp, reliable intercom communications.

Enabling fluid, flexible, and future-proof communications for all of Vista Studios' productions, RIEDEL technology is playing a vital role in the facility's ability to solve the challenges producers face every day. It's exciting to see RIEDEL technologies power the new generation of production and postproduction facilities, and Vista Studios is a striking showcase installation for RIEDEL intercom products.

deskTOP OF THE LINE!

RIEDEL Adds Desktop SmartPanel to Growing Line of Intelligent User Interfaces



The DSP-2312 Desktop SmartPanel is RIEDEL's newest member of the app-driven SmartPanel family of intelligent user interfaces. The all-new desktop edition offers all of the power and flexibility of the SmartPanel in a small, elegant, ergonomic, and low-profile device.

The primary features are 12 keys, two TFT touchscreen LCD displays, an integrated power supply, and on-board AES67, AVB, and AES3 connectivity. These allow for direct connections to RIEDEL's Artist digital matrix intercom systems without need for expansion modules.

The DSP-2312 also boasts 2 exchangeable headset XLR connections, high quality mic pre-amps, three GPIO's, two network connections, a 4-wire, and support for the Intercom Basic and Plus Apps as well as the MediorNet Control and the HandsFree Apps.

The Desktop SmartPanel is the smallest, full-functioning desktop panel available on the market and this is vitally important in tight production areas where counter space is at a premium. The new SmartPanel also has 1/4-20 threads for use with tripods or Magic Arms for any installation environment.

"Our rack-mounted SmartPanels have been widely adopted by broadcasters around the world so it was obvious to us that we needed a desktop version. But we would not be happy with just another desktop panel. The DSP-2312 shows that products can be innovative and functional while still being beautiful."

Dr. Karsten Konrad
Product Manager
RIEDEL Communications





MultiViewer Configuration Tool

MEDIORNET MULTIVIEWER APP ADDS DE-CENTRALIZED MULTIVIEWING CAPABILITIES TO MEDIORNET ECOSYSTEM

Extending the capabilities of hardware through the use of software apps has been an ongoing theme at RIEDEL, starting with its app-driven SmartPanel, introduced two years ago. And now, the company is bringing even more versatility to MediorNet's decentralized network approach to signal transport, routing, and processing with the MediorNet MultiViewer. This is an all-new, virtual MultiViewer App based on the MediorNet MicroN high-density media distribution hardware and designed to work within the MediorNet networks.

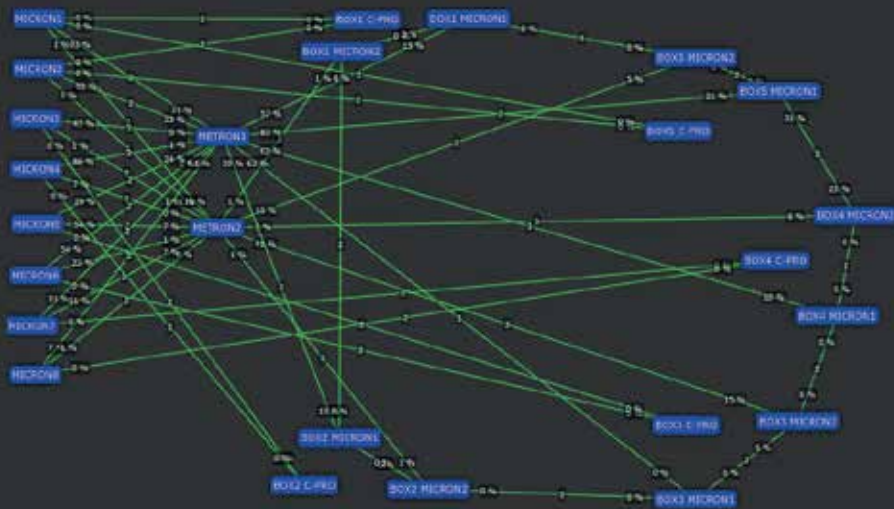
A fundamental benefit of a decentralized signal network is the ability to put signal inputs and outputs where they are needed, rather than at a large, monolithic router that requires additional cabling. These benefits apply to the MediorNet MultiViewer as well, since the MultiViewer hardware can be placed anywhere while leveraging the network for sources. In addition, integrating the MultiViewer into the MediorNet ecosystem removes an extra layer of gear and complexity.

Each single MediorNet MultiViewer engine can access any MediorNet input signal and process up to 18 signals. These can be placed flexibly on four physical screens or routed to any destination within the MediorNet system and output at alternative locations. The MultiViewer device provides local signal inputs and outputs to offer further connectivity options like playing out the virtual MultiViewer screens locally on the device.

The MediorNet MultiViewer has a rich, yet easy to use, toolbox of powerful processing features including flexible scaling, positioning, and the ability to incorporate graphics (like logos and background images), and special "widgets." Widgets include tallies, under-monitor-displays, audio level meters, and several clocks and counters. Clocks can be analog or digital and can reference system time or timecode, with the timecode derived manually or from LTC or NTP. Finally, up to 20 distributed system counters can be established within a single network, and any counter widget can reference any

one of the system counters. All of these functions are controllable via the Ember+ control protocol. In addition, tallies and under-monitor-displays can be controlled via TSL 5.0.

The MediorNet MultiViewer features easy and intuitive configuration in a single view through a convenient drag-and-drop editor. A capability called "Net Configurations" is new to the market and allows users to store configurations in network-wide storage rather than at a specific device. This feature also permits the easy transfer of configurations to a particular device and is fully supported through the MediorWorks configuration software and Ember+. Pre-defined layouts and templates support quick designs and can be manipulated both online and offline.



SPAIN'S 'GRAN HERMANO VIP' ('BIG BROTHER VIP') LOOKS TO MEDIORNET FOR DECENTRALIZED AND REDUNDANT SIGNAL ROUTING

RIEDEL's MediorNet real-time network is a critical behind-the-scenes player for the fifth season of the popular Spanish reality show "Gran Hermano VIP" ("Big Brother VIP"). MediorNet provides a redundant and decentralized signal routing and transport infrastructure for the on-location Gran Hermano VIP House near Madrid, moving video from more than 70 cameras and audio signals originating from four mixing consoles. As Spain's celebrity version of the worldwide "Big Brother" franchise, "Gran Hermano VIP" launched its current season in January.

"Gran Hermano VIP" follows the same formula as the "Big Brother" programs in dozens of other countries, where a group of contestants or "housemates" live together in a specially constructed house that is isolated from the outside world. The twist with "Gran Hermano VIP" is that the contestants are well-known Spanish celebrities. During their stay in the Gran Hermano VIP House, contestants are continuously monitored by live television cameras and various microphones.

Show producer Zeppelintv (a division of EndemolShine Iberia) had complex requirements for the network topology within the Gran Hermano VIP House. The network had to handle all of the inputs and outputs needed to put on a show with multiple cast members moving from room to room, and the production also needed a single system from which all cameras could be synced. After its experience with RIEDEL's MediorNet on another show last year, Zeppelintv knew it could provide the flexibility, reliability, and ease of operation necessary for

"Gran Hermano VIP." In addition, the modularity of MediorNet means the components can be easily repurposed and the network reconfigured later for other productions.

Spanish broadcast equipment and solution provider Crosspoint, S.A.L. worked with Zeppelintv to design and install the MediorNet network in the Gran Hermano VIP House. The network consists of five MediorNet Compact Pro frames, two MediorNet MetroN frames, and 18 MediorNet MicroN high-density media distribution network devices — all connected over a 10 Gbps optical fiber network to form a decentralized routing matrix.

The MediorNet Compact Pro and MicroN frames are placed in five strategic locations throughout the house to collect signals from all 70 camera sources. The MicroN devices are able to multiplex camera signals along with PTZ and camera control data and deliver them to the machine room over a few 10G fiber links, a task that would otherwise require a large and heavy bundle of copper cabling. The MediorNet network also serves as the audio router, with audio channels coming from the four mixing consoles via MADI interfaces. In addition, the show is using RIEDEL's RockNet real-time audio network devices to provide additional analog audio inputs and outputs.

In the machine room, one MediorNet MetroN frame provides routing for all fiber links and outputs the signals to the vision mixer. The second MetroN acts as a backup, providing full redundancy.

Redundancy is also built into the network through dual fiber paths, with one set of fibers in the suspended ceiling and the other underground. This gives MediorNet the ability to reroute signals in the event of a network error.

For this challenging 24/7 production, with eight simultaneous program feeds, there was truly no room for error. MediorNet solved many complex technical challenges to create a reliable, fully redundant, and easy-to-manage network that can serve as a model for other types of reality shows. The fiber-based MediorNet network meant the production could drastically reduce the amount, weight, and cost of cabling that had to be pulled through the house. Also, MediorNet's powerful signal transport and integrated processing features give Zeppelintv the ability to handle frame-sync for the cameras, embedding/de-embedding, and Ethernet-based camera control, all within a single system.





STATE-OF-THE ARTIST

BATTER UP FOR ZOOM COMMUNICATIONS AND
INDIAN PREMIER LEAGUE 2017 CRICKET SEASON

ZOOM Communications, India's foremost provider of outside broadcasting (OB) production services and facilities, has chosen RIEDEL Communications' Artist digital matrix intercom system as its communications solution for the Indian Premier League (IPL) 2017 cricket season.


ZOOM Communications is offering Artist intercom frames as part of a full complement of OB production equipment for the Board of Control for Cricket in India (BCCI) that generates the world feed for rights holders all over the world.

Also known as IPL 10 in recognition of the league's 10th anniversary, the IPL 2017 season will include cricket matches in eight Indian cities throughout April and May. Consisting of eight teams, the IPL is the world's most popular cricket league and the sixth highest sports league in brand value.

"With millions of cricket fans around the world tuned into IPL 10 matches, there's no room for failure in any of our broadcast technology solutions," said Karamjeet Singh, Senior Vice President at ZOOM Communications. "RIEDEL brings proven expertise in the support of high-visibility sports events to the table, and the Artist intercom systems have served us well for several past years of IPL coverage. That's why we can offer Artist with the full confidence that it will provide the secure, user-friendly, and reliable communications our clients need. For this season, we have brought in two additional systems in order to ensure uniformity and seamless operation between the different crews."

The RIEDEL Artist systems will equip ZOOM Communications clients with an advanced modular communications platform that delivers the power and versatility to address their full range of intercom requirements. The Artist's fiber-based network provides a decentralized infrastructure that can simplify the distribution of audio while ensuring crisp, clear intercom communications.

"The IPL 10 promises to have the highest viewership of any cricket event ever, and the season will showcase the sport's best talents from around the world," said Cameron O'Neill, RIEDEL's Director for the Asia-Pacific region. "As RIEDEL sharpens its focus on India, we couldn't ask for a better endorsement than ZOOM Communications' choice of Artist for IPL 10. It's a great testimonial for RIEDEL that ZOOM has chosen to trust the comms in its kits for this prestigious production to Artist."



RIEDEL'S MEDIORNET
BRINGS ROBUST
AND DECENTRALIZED
ROUTING
INFRASTRUCTURE TO
HD BROADCAST'S HD1
OB TRUCK



HD Broadcast, a major German provider of live production and outside broadcasting (OB) services, has just upgraded its HD1 mobile production truck with an all-new real-time signal and communications network based on RIEDEL's MediorNet. HD Broadcast has deployed HD1 to cover a wide range of live events, including Bundesliga games (for Sportcast, Sky, and ARD) and concert productions such as the performance by Marius Müller-Westernhagen for "MTV Unplugged."

HD Broadcast completed the upgrade of OB HD1 in only three days thanks to MediorNet's ease of integration. Onboard the truck, three MediorNet Compact Pro frames and six RIEDEL MicroN high-density media distribution network devices are connected over a 10 Gbps optical fiber network to create a fully redundant, decentralized routing matrix. Working in combination with HD Broadcast's existing RIEDEL Artist digital matrix intercom system, the highly scalable new MediorNet infrastructure combines fully integrated signal transport, routing, and processing with pristine communications.

MediorNet's integrated signal management has enabled HD Broadcast to deploy decentralized routing capabilities with distributed system intelligence — an ideal foundation on which to move towards an IP-based networking infrastructure

and support future 4K productions. In addition to full video router functionality, MediorNet offers powerful signal transport and integrated processing features such as embedding/de-embedding, frame store, frame sync, a test pattern generator, and timecode generator.

The new MediorNet-based network infrastructure gives HD1 greater flexibility and significantly increased capacity through higher bandwidth and additional connectivity options. The fiber-based network also allows HD Broadcast to minimize cabling, setup, and logistics expenses, resulting in significant cost savings.

The HD Broadcast deployment is just one more example of how MediorNet has set the market standard for future-proof networking, flexibility, and interoperability — giving RIEDEL customers tremendous freedom to build sophisticated media infrastructures. With the integration of MediorNet, HD Broadcast has strengthened its commitment to mobile, flexible productions and is well-equipped for the future.



RIEDEL project pictures

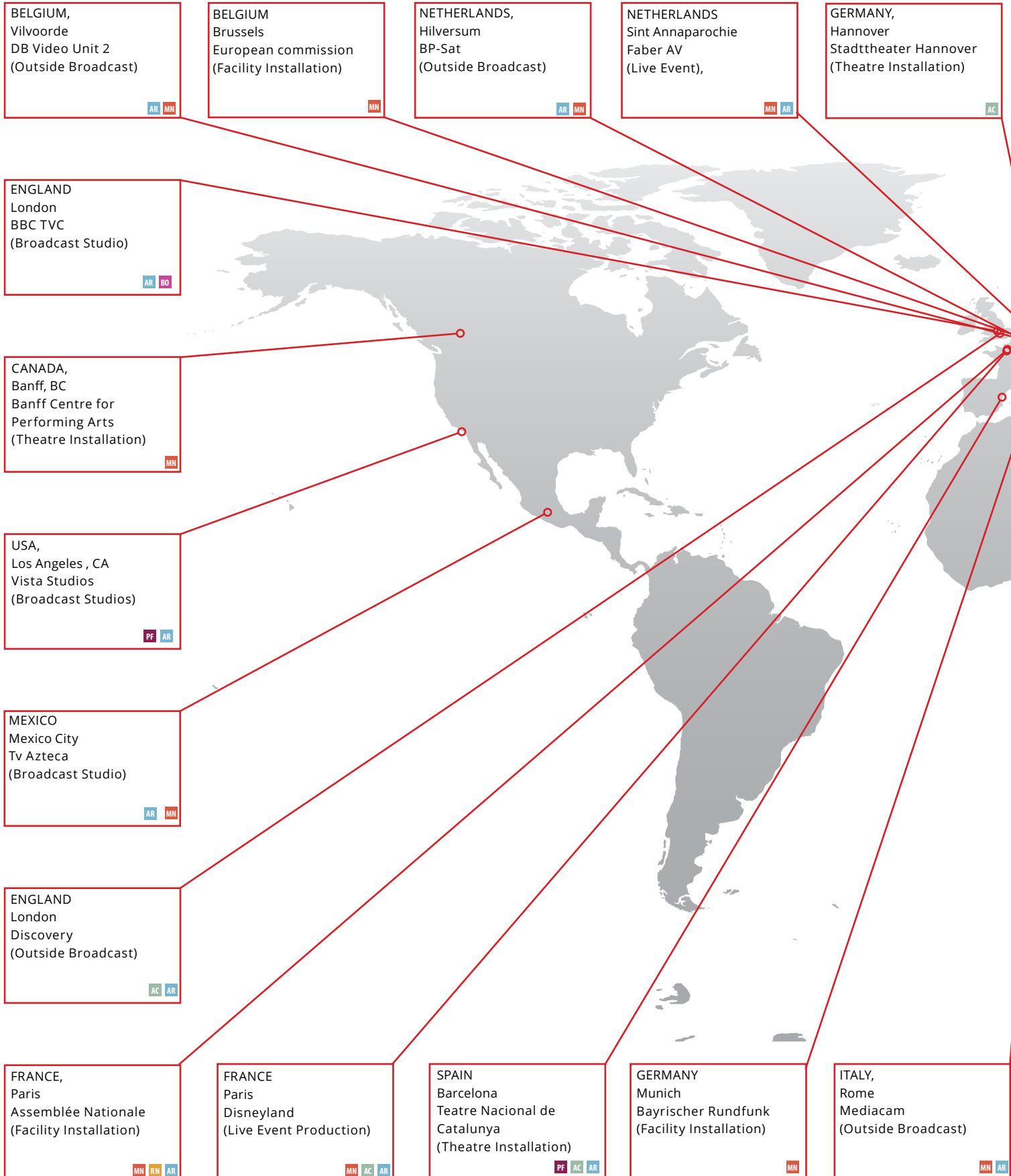


Your daily update

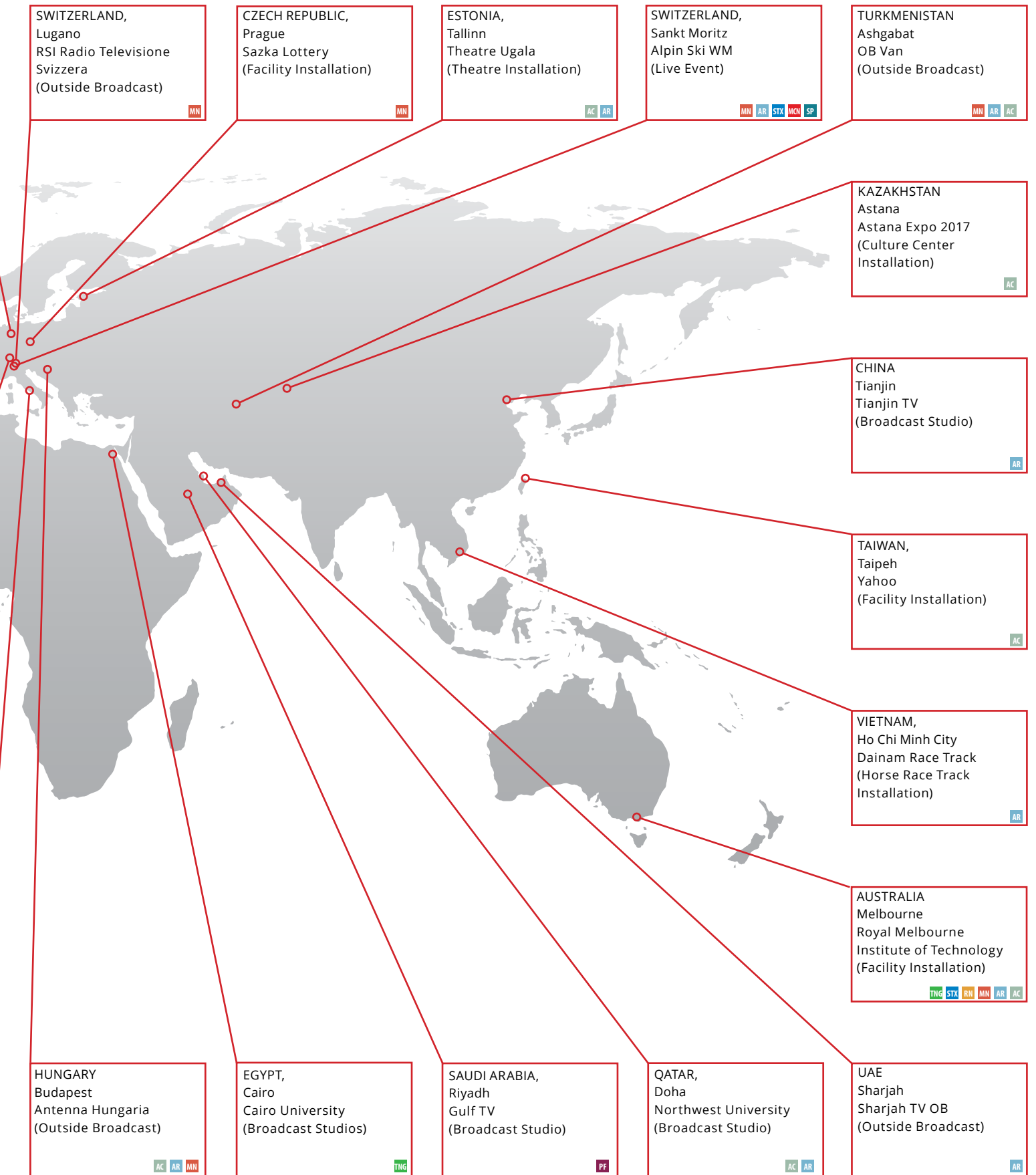


Follow us for more ...

Recent Installations (selected)



ACROBAT	AC	ROCKNET	RN
PERFORMER	PF	SKYPE TX	STX
ARTIST	AR	TANGO TNG	TNG
MEDIORNET	MN	MICRON	MCN
SMARTPANEL	SP	BOLERO	BO

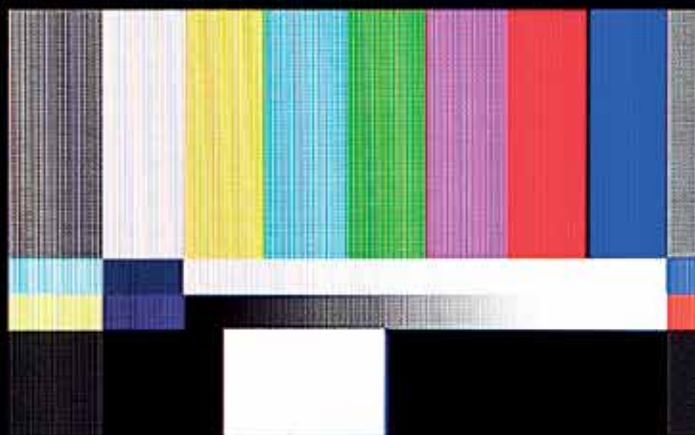




BOLERO BY RIEDEL



Feed B



Downlink



[www.riedel.net](#)

