

REFERENCE LIST FOR AUDIO ROUTERS AND MIXERS

ANALOGUE ROUTING SWITCHERS FOR RAI ITALY

1982	Roma Ascolto	850 x 64 channels
1983	Istituto Credito S. Paolo Torino	24 x 96 channels
1987	Roma Igea	80 x 16 / 80 x 10 channels
1988	Firenze	256 x 64 / 40 x 24 / 128 x 24 channels
1989	Venezia	256 x 48 / 40 x 24 / 192 x 24 channels
1989	Napoli	256 x 64 / 40 x 24 / 192 x 24 channels
1990	Bolzano	256 x 24 / 40 x 24 / 128 x 24 channels
1990	Trieste	256 x 24 / 40 x 24 / 128 x 24 channels
1991	Palermo	256 x 24 / 40 x 24 / 128 x 24 channels
1991	Cosenza	256 x 24 / 30 x 24 / 128 x 12 channels

DIGITAL ROUTING SWITCHERS FOR RAI ITALY

1994	Torino	512 x 400 channels
1995	Bari	328 x 216 channels
1995	Aosta	328 x 208 channels
1995	Cagliari	328 x 208 channels
1996	Genova	304 x 184 channels
1996	Ancona	304 x 184 channels

DIGITAL ROUTING SWITCHERS FOR SRG SWITZERLAND

1996	Swiss Television Lugano	160 x 128 channels, bi-directional with ee-party conference connections and integrated DACOS software
1996	Swiss Radio International	292 x 326 channels, with fade-in/fade-out switching, serving 24 studios

DIGITAL MIXING CONSOLES FOR RAI ITALY

1996	Aosta	24 channels
1996	Cagliari	24 channels
		16 channels
1997	Genova	20 channels

DIGITAL OB VAN FOR SRG SWITZERLAND

1997	Swiss Broadcasting Lugano with digital	24 channel mixer connected by optical fibres.
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DIGITAL ROUTING SWITCHER FOR RADIO FRANCE

1997 Paris 384 x 576 channels

National Digital Audio Switching Centre for Telecom PTT Switzerland

1997 National Switchg.
Centre Zürich-Binz

420 x 420 audio channels in 2 Mbit/s
900 x 900 telephone chn. in 2 Mbit/s
with transitions audio <- -> telephone

DIGITAL ROUTING SWITCHERS FOR RTBF BELGIUM

1998 Bruxelles 512 x 512 channels
256 x 256 channels
128 x 128 signalisation
48 x 48 telephone
48 x 48 data

DIGITAL ROUTING SWITCHER FOR MDR GERMANY

1998 Halle 648 x 760 channels,

with MADi interfaces to connect foreign mixers, integrated signal processing and automatic ISDN Codec control
Sternpunkt-rechner for ARD Germany

1999 Frankfurt 208 x 224 channels,
2 Mbps interfaces with

integrated J.41 and J.57 codecs, ATM OC3 interfaces, remote control by existing control processor, integrated automatic level monitoring.

2 MBPS DISTRIBUTION NETWORK FOR SWISSCOM

1999 160 VHF transmitter sites

160 MPEG decoder systems installed in the transmitter stations. Every system is composed of: A switch that selects one of the two incoming 2 Mbps lines, 5 decoders plus a back-up decoder for the national radio programmes received via 2 Mbps, an ISDN decoder for the regional programme, and a 7 x 6 matrix to switch the radio programmes to 5 VHF transmitters and a back-up transmitter.

The redundant 2 Mbps lines are fed by redundant multiplexers supplied by Mandozzi.

ALL DIGITAL RADIO STATION FOR SR SWEDEN

2000 Skövde

Complete digital radio station with one central and one satellite digital routing switcher, 8 satellite concentrators connected to the central routing switcher by ATM OC3 optical links, 12 mixers, integrated comfortable communications facilities.

DIGITAL STUDIOS FOR NRK NORWAY

2000 Oslo

278 x 268 channels, two mixers with 32, resp. 24 channels, 3 production desks, integrated control of telephone hybrids and ISDN codecs.

DIGITAL ROUTING SWITCHERS FOR NRK TELEVISION

2001 Oslo

1 x (1536 x 1536),
1 x (1024 x 1024),
3 x (512 x 512)

channels, analog, digital, MAD1 and ATM interfaces, DSP audio processing including delays, sums, equalisers. control by local PCs and by Omnibus software.

RADIO HOUSE FOR ORB GERMANY

2001 Potsdam

Complete digital radio station for four programmes, consisting of a central matrix 1536 x 1536 and four programme matrices 1024 x 1024. Each programme matrix serves one mixer with 12 and two mixers with 16 faders, the central matrix serves a back-up mixer with 16 faders. The programme matrices are connected to the central matrix via redundant optical fibres using ATM. The system offers integrated intercom facilities, editor working positions, automatic ISDN codec remote control, output level monitoring with automatic selection of emergency source signals.

DISTRIBUTION CENTRE FOR ALGERIAN RADIO

2002 Alger

Matrix of 1024 x 1024 crosspoints with 32 stereo/mono converters, 5 conferences with 12 subscribers (n-1), 60 equalisers with 4 filters, level measuring for 48 signals. 2 Mbps interfaces for connections with COMBIMUX installed in remote sites for the transmission of audio and data. 8 concentrators in the studios, connected by optical fibres using ATM OC3, 26 ICOMBOX for intercom and matrix control, 24 monitoring modules.

DIGITAL RADIO HOUSES FOR SWEDISH RADIO

2002 Falun and Karlstad

Complete digital radio stations with a central matrix, 3 concentrators connected to the matrix by ATM OC3 optical links, 6, resp. 7 mixers, 4 reporter working units, integrated comfortable communications facilities, e. g. integrated control of telephone hybrids and ISDN codecs. The stations are connected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of the other station.

DIGITAL MIXER FOR OMROEPBEDRIJF LIMBURG, NETHERLANDS

2002 Maastricht

Digital On Air mixer with 20 faders, 3 master outputs, 3 Aux, 3 monitoring outputs, 20 n-x, 46 compressors, 20 equalisers, 1 PFL sum, 1 recording sum, any 4 faders can be used

as group faders. Producer desk for 10 channels, 8 monitoring selection keys. Matrix 512 x 512 with DSP modules to realise the mixer functions.

AUTOM. CONTINUITY SYSTEM FOR NRK NORWAY

2003 Oslo and Trondheim

Distribution matrix in Oslo (1536 x 2048) and distribution/contribution matrix in Trondheim (1024 x 1536), each one controlled by the own local control centre, but also by the partner station via a WAN. Comfortable scheduling system that is also used as planning instrument for the studios to indicate on which channels they are scheduled to transmit. The studios control the matrices by means of special hardware controllers with TFT screens. DSPs for generating 27 sums of up to 7 studio outputs, with programmable fade-in and fade-out times and curves. Sophisticated monitoring system that allows the signals at all points inside the summing chains to be monitored.

ON AIR STUDIOS FOR R.T.B.F. BELGIUM

2003 Brussels

Two matrices of 1536 x 1536 each, pre-wired for 9 mixers, three of which with 24,

32 and 40 faders are already supplied. The matrices are connected via optical fibres to the existing central matrix that was supplied by Mandozzi in 1997. The mixers are equipped with the parameter setting modules that allow the on air mixers to be used for production purposes as well.

DIGITAL RADIO HOUSES FOR SWEDISH RADIO

2003 Östersund, Kristianstad,
Halmstad, Eskilstuna,
Nyköping

Complete digital radio stations with a central matrix, 3 large and 4 mini concentrators connected to the matrix by ATM OC3 optical links, resp. CAT5 cables, 9 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station. The Nyköping station can go on air in Eskilstuna via the 2 Mbps connection.

DISTRICT OFFICES FOR NRK NORWAY

2003 Three regional stations
(Fredrikstad, Stavanger, Vadsö)

512 x 512 matrix,
interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN. The matrices control the drop/insert functions of the local 2 Mbps multiplexer/ demultiplexer of the NRK 2 Mbps audio network.

DIGITAL MULTIPLEX MIXER, 32 CHANNELS, FOR RADIO FRANCE

2003 Paris Digital Mixer

for accommodating conferences using the N-1 cleanfeed function.
The system can be configured for 1 conference with up to 32 participants or many conferences with different sizes and totally up to 32 participants.

DIGITAL RADIO HOUSES FOR SWEDISH RADIO

2004 Visby, Karlskrona,
Västerås, Växjö

Complete digital radio stations with a central matrix,
3 large and 3 mini concentrators connected to the matrix by ATM OC3 optical links, resp. CAT5 cables, 7 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs.
The stations are inter-connected via 2 Mbps channels for audio and remote control signals.
Every mixer can remotely control the matrix of any other station.

DISTRICT OFFICES FOR NRK NORWAY

2004 Four regional stations
(Bergen, Lillehammer,
Oslo District , Elverum)

512 x 512 matrix, interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN. The matrices control the drop/insert functions of the local 2 Mbps multiplexer/demultiplexer of the NRK 2 Mbps audio network. The Oslo District station is equipped with a larger matrix 1024x1024 that is also used for television.

RADIO STATION FOR OMROEPBEDRIJF LIMBURG, NETHERLANDS

2004 Maastricht Complete digital radio station with a matrix 2'048 x 2'048 and four concentrators that are connected via optical Gigabit links. Four mixers with 12, 16 and 20 faders. One of these mixers is installed in TV production, where a Mandozzi software mixer is used to control the TV mixer from a second working position. The system is controlled by custom designed control modules.

CENTRAL MATRIX FOR RDP PORTUGAL

2004 Lisbon 512 x 512 matrix, with DSP functions for an eight-fader mixer, a test signal generator, a time code generator, 10 parametric equalisers. Integrated monitoring and level testing system.

TELEPHONE CONFERENCE SYSTEM FOR ARD GERMANY

2005 Frankfurt

Up to 32 PC working positions.
512 x 512 matrix with 60 internal ISDN So interfaces that are multiplexed into four 2 Mbps frames. System for automatically (time controlled) and manually establishing up to 16 simultaneous telephone conferences with up to 180 pre-programmed participants and automatic transmission of announcement texts to the called parties. Calculation of the sums for the conferences, the n-1 signals for the returns, individual level adjustment of all incoming and outgoing signals, level measurement, automatic suppression of disturbed signals.

DISTRICT OFFICES FOR NRK NORWAY

2005 Three regional stations
(Ålesund, Bodø, Tromsø) 512 x 512 matrix,
interconnected among each other and with the distribution matrix in Oslo and
the distribution/contribution matrix in Trondheim via WAN. The matrices control
the drop/insert functions of the local 2 Mbps multiplexer/ demultiplexer of the
NRK 2 Mbps audio network. The Alesund station is equipped with a larger ma-
trix 1024x1024 that also is used for television.

ON AIR STUDIO FOR R.T.B.F. BELGIUM

2005 Brussels
The system delivered in 2003 was extended with an additional mixer with 24
faders.

CENTRAL MATRIX FOR ORF AUSTRIA

2005 Regional station Graz
Fully redundant matrix, wired for 256 input and 256 output channels, with a
2'048 x 2'048 crosspoint module and DSP power for 20 stereo equalisers, dy-
namics, delays, stereo/mono conversions as well as complete audio processing
for 2 stereo monitoring channels.

DIGITAL RADIO HOUSES FOR SWEDISH RADIO

2005 Uppsala, Kalmar,
Gävle, Sundsvall
Complete digital radio stations with a central matrix, 5 or 6 mini concentrators
connected to the matrix by CAT5 cables, 7 mixers with integrated comfortable
communications facilities, e. g. control of telephone hybrids and ISDN codecs.
The stations are interconnected via 2 Mbps channels for audio and remote con-
trol signals. Every mixer can remotely control the matrix of any other station.

REDUNDANT DIGITAL MATRIX SYSTEM FOR FINLAND

2005 Helsinki
The fully redundant matrix is subdivided into two halves located in different
buildings and interconnected by single mode optical fibres. Every matrix half is
redundant in itself, i. e. it has redundant control processors, cross point modu-
les, clock generators, audio and control busses, and power supply units. Every
matrix half is connected via single mode optical fibres to two concentrators
that contain the audio and GPIO interfaces. The matrices are controlled by the
comfortable Mandozzi control PC surfaces, and they are remotely controlled by
a BUF software.

CENTRAL MATRIX FOR ORF AUSTRIA

2005 Graz 2'048 x 2'048 matrix, fully redundant, wired for 256 inputs and 256 outputs, with DSP for 20 stereo equalisers, dynamics, delays, stereo/mono conversions, as well as complete processing of two monitored audio signals. Custom made PC control surfaces.

DISTRICT OFFICES FOR NRK NORWAY

2005 Two regional stations (Steinkjaer, Forde) 512 x 512 matrix, interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN. The matrices control the drop/insert functions of the local 2 Mbps multiplexer/ demultiplexer of the NRK 2 Mbps audio network.

SERIX MIXERS FOR RADIO 105 AND RMC IN ITALY AND MONACO

2005/2006 Milano and Monte Carlo A main matrix (2'048 x 2'048) plus six SERIX-consoles with 12 faders each in Milano, a main matrix (2'048 x 2'048) plus two mixers with 12 faders each in Monte Carlo. The two matrices are interconnected for audio and control signals via 2 Mbps channels, in order for the mixers in Monte Carlo to remotely control the matrix in Milano. Thus it is possible to transmit in Milano the signals produced in Monte Carlo without Milano to be manned.

SERIX MIXER FOR RBB GERMANY

2006 Potsdam Stand alone mixer with 12 motorised faders and a concentrator for up to 112 inputs and outputs and 32 GPIO.

RADIO STUDIO FOR RBB GERMANY

2006 Studio "SK3" Berlin A fully redundant central matrix (2'048 x 2'048) plus one GMIX mixers of 20 faders and one GMIX with 4 faders, with their concentrators that are connected to the matrix via Gigabit fibre links, plus 3 ICOM Boxes for intercom and monitoring.

CENTRAL MATRIX FOR RADIO NOVA FINLAND

2006 Helsinki

Fully redundant 2'048 x 2'048 matrix with DSP power for level monitoring, level and correlation measurement, sums, and gain adjustment. MADI interfaces for connecting existing digital mixers. Prepared for managing several SERIX mixers.

REDUNDANT DIGITAL MATRIX FOR FINLAND

2006 Rovaniemi

Fully redundant matrix, connected via redundant Gigabit fibres to a concentrator with audio I/O modules.

CENTRAL MATRIX FOR ORF AUSTRIA

2006 Eisenstadt

2'048 x 2'048 matrix, fully redundant, wired for 256 inputs and 256 outputs, with DSP for 20 stereo equalisers, dynamics, delays, stereo/mono conversions, as well as complete processing of two monitored audio signals. MADI interfaces to existing mixers. Custom made PC control surfaces.

RADIO STUDIO FOR RBB GERMANY

2006 Frankfurt a.O.

A fully redundant central matrix (1'024 x 1'024) plus (as a first step) one GMIX mixer of 4 faders.

DISTRICT OFFICES FOR NRK NORWAY

2006 Three regional stations
(Kristiansand, Buskerud, Tonsberg)

512 x 512 matrix, interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN. The matrices control the drop/insert functions of the local 2 Mbps multiplexer/demultiplexer of the NRK 2 Mbps audio network. The Kristiansand station is equipped with a larger matrix 1024x1024 that also is used for television.

REGIONAL STATION FOR RAI ITALY

2006 Aosta

The central matrix (328 x 208 channels) supplied in 1995 to Aosta was refurbished and adapted to new requirements.

PLAYOUT CENTER FOR SRG AND SMALL MATRICES FOR SWISSCOM

2006 Zurich and different
Transmitter Sites

Two doubly redundant matrices (40 x 42) located in separate rooms of the playout centre Zurich for feeding all Swiss distribution lines via COMBIMUX. Custom designed PC control surfaces, built-in adjustable audio signal delay. This matrix is interconnected to 160 matrices, type KS66 (stereo 6 x 6) on the radio transmitter sites.

DIGITAL RADIO HOUSE FOR SWEDISH RADIO

2006 Malmö

Complete digital radio station with a central matrix 4'096 x 4'096, 9 mini concentrators connected to the matrix by CAT5 cables, 11 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

DIGITAL RADIO HOUSE FOR SWEDISH RADIO

2006 Umeå

Complete digital radio station with a central matrix 1'536 x 1'536, 7 mini concentrators connected to the matrix by CAT5 cables, 9 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

DISTRICT OFFICE FOR NRK NORWAY

2006 Porsgrunn

512 x 512 matrix.

The matrices of the regional stations are interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN.

The matrices control the drop/insert functions of the local 2 Mbps multiplexer/demultiplexer of the NRK 2 Mbps audio network.

RADIO STUDIO FOR RBB GERMANY

2006 Studio "88.8" Berlin

A fully redundant central matrix (2'048 x 2'048) plus 2 GMIX mixers with 20 faders, one GMIX with 12 faders, 2 GMIX with 4 faders and a SERIX mixer with 16 faders, with their concentrators that are connected to the matrix via Gigabit fibre links, plus 6 ICOM Boxes for intercom and monitoring.

A fully redundant central matrix (2'048 x 2'048) plus 2 GMIX

DIGITAL RADIO HOUSE FOR SWEDISH RADIO

2006 Göteborg

Complete digital radio station with a central matrix 4'096 x 4'096, 9 mini concentrators connected to the matrix by CAT5 cables, 11 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

Complete digital radio station with a central matrix 4'096 x 4'096,

MATRICES FOR RAI ITALY

2007 Bologna and Perugia

Two matrices (512 x 512) with DSP for 64 monophonisations plus monitoring and comparison of 64 levels. Remote control via LAN, with 8 audio listening positions.

Two matrices (512 x 512) with DSP for 64 monophonisations plus monitoring and comparison

SERIX MIXER FOR RBB GERMANY

2007 Studio "SK2" Berlin

Stand-alone mixer with 12 motorised faders and concentrator for up to 112 inputs, 112 outputs and 32 GPIO.

RADIO SYSTEM FOR RBB GERMANY

2007 Frankfurt

a. O.Redundant matrix with 2'048 x 2'048 cross points, 2 GMIX mixers with 20 faders, 2 GMIX with 16 faders, 4 GMIX with 4 faders, and 2 GMIX with 2 faders each, 15 ICOMBOX for listening and intercom.

SERIX MIXERS FOR RSR SWITZERLAND

2007 Lausanne

PROGRAMME:

Four SERIX mixers for the "Couleur 3"

2 mixers with 12 faders with 2 satellite mixers of 4 faders each, one mixer with 12 faders with a satellite mixer of 4 faders, and a mixer with 4 faders.

The mixers are connected to a matrix of 2'048 x 2'048 cross points that is equipped with DSP power to realise sums, modulation monitoring and monophonisations.

The matrix is fully redundant, the two halves are separated from each other. This system is the first step of a project to replace the existing digital mixers in Lausanne and Geneva by at least 33 Mandozzi SERIX mixers and a large fully redundant central matrix.

RADIO SYSTEM FOR RBB GERMANY

2007 Studio "Inforadio" Berlin

Redundant matrix with 4'096 x 4'096 cross

points, with 5 concentrators and 17 GMIX mixers: 2 mixers with 20 faders and 2 mixers with 12 faders for the On Air studios, 13 mixers with 4 faders for the journalists, 1 SERIX mixer with 12 faders, 10 ICOMBOX for listening and intercom.

MATRIX FOR TELEVISION FOR NRK NORWAY

2007 Oslo

The audio system we delivered in the year 2000 for two radio studios was refurbished to be integrated into the Norwegian TV audio system.

MATRICES IN THE DISTRICT OFFICES OF NRK NORWAY

2005 to 2007

The audio systems in the regional radio and TV stations were expanded by one or two concentrators that are connected to the router via optical fibres.

MATRIX FOR VIRGIN RADIO

2007 Milan

The matrix we delivered for Radio 105 and RMC in 2005 was expanded in order to be used also by Virgin Radio.

LEVEL MONITORING SYSTEM FOR SRG SWITZERLAND

2007 Lugano

Autonomous system to monitor 40 AES/EBU signals. The upper and lower level thresholds as well as the waiting times to generate the alarms can be pre-programmed for every individual signal. The system can operate in two ways:

1. Monitoring of 40 signals with automatic alarm generation if one of the signals is outside the pre-programmed level thresholds for longer than the desired time.
2. Monitoring of 20 sets of 2 input signals with automatic switchover to the standby signal in case the main signal is outside the level limits.

DIGITAL RADIO STATION FOR RADIO1 SWITZERLAND

2008 Zürich

Redundant matrix 2'048 x 2'048,

2 SERIX mixers with 16 faders each and 7 Jünger MIX4 mixers. Specially developed interfaces to Soharc DABIS audio work stations, and integrated telephone management system that controls Prodis PRONTO-NET codecs and switches the audio signals between the various working positions. Only the mixer modules and touch screens are installed in the mixer rooms; the mixer control processors, the concentrators and the redundant matrix are installed in the technical room.

DIGITAL ROUTING SWITCHER FOR MDR GERMANY

2008 Halle

Redundant matrix 4'096 x 4'096 with discrete and MAD1 audio interfaces. Integrated n-1 conference matrix, DSP power for delays, sums, compressors, level monitoring. Touch screens with custom made software to control the listening and the intercom. Integrated Dispo software and software for the connection to the Frankfurt centre (ARD-Sternpunkt), ISDN codec control, interface to DAVID MULTICODER programmable recorder, and to existing intercom system. This matrix replaces the one we supplied in 1998.

DISTRICT OFFICE FOR NRK NORWAY

2008 Spare station

512 x 512 matrix.

The matrices of the regional stations are interconnected among each other and with the distribution matrix in Oslo and the distribution/contribution matrix in Trondheim via WAN. The matrices control the drop/insert functions of the local 2 Mbps multiplexer/ demultiplexer of the NRK 2 Mbps audio network.

CENTRAL MATRIX FOR ORF AUSTRIA

2008 Klagenfurt

2'048 x 2'048 matrix,
fully redundant, wired for

256 inputs and 256 outputs, with DSP for 20 stereo equalisers, dynamics, delays, stereo/mono conversions, as well as complete processing of two monitored audio signals. MADI interfaces to existing mixers. Custom made PC control surfaces.

MIXERS FOR VIRGIN RADIO ITALY

2008 Milan

2 SERIX mixers with 16 faders each. One mixer is associated to a 4 fader split mixer. The mixers are connected to the matrix of Radio 105 that was expanded in 2007.

DIGITAL RADIO SYSTEM FOR SWEDISH RADIO

2008 Stockholm

Complete digital radio system that fulfils the tasks of the national sports programme as well as the regional Stockholm programme. It consists of 13 GMIX mixers (of 2 to 16 faders) and 6 SERIX mixers (of 4 to 20 faders), 9 ICOMBOX units, 6 MIXBOX units, 1 GMIX Studio Unit, 3 SERIX Studio Units. The whole system is managed by a redundant matrix of 4'096 x 4'096 cross-points.

2 of the SERIX mixers were sent to Beijing for the Olympic Games.

CENTRAL MATRIX FOR RSR SWITZERLAND

2008 Lausanne

This matrix 4'096 x 4'096
serves the whole radio

station of Radio Suisse Romande. It is fully redundant, whereby the two halves are installed in two separate rooms in order to increase the reliability in case of a fire, etc. Every matrix half is equipped with 39 fibre Gigabit interface modules to connect 35 SERIX concentrators and 4 concentrators that contain the central inputs and outputs. Built-in DSP modules are used for monitoring 60 levels and calculating 10 sums plus 40 monophonisations.

SERIX MIXERS FOR RSR SWITZERLAND

2008 Lausanne

Six SERIX mixers for the "INFO" programme: 2 mixers with 20 faders and 1 satellite mixer of 8 faders each, 2 mixers with 8 faders with a satellite mixer of 4 faders each, 1 mixer with 8 faders with 2 satellite mixers of 4 faders each, 1 mixer with 4 faders with 1 satellite mixer of 4 faders, plus 4 MIXBOX units for intercom and monitoring.

This system is the second step of a project to replace the existing digital mixers in Lausanne and Geneva by at least 33 Mandozzi SERIX mixers and a large fully redundant central matrix.

TRANSPORTABLE MIXER FOR RSR SWITZERLAND

2008 Lausanne

A SERIX mixer with 12 faders and its concentrator is transported in two flight cases. For in-house use, the mixer is connected to the central matrix via optical fibres. For external use, the mixer can work as stand-alone console, or it can be connected to the radio house via external communications equipment; in this case, it behaves as if it were installed in the radio house.

SERIX MIXER FOR RBB GERMANY

2008 Berlin 12 fader mixer for the production studio "T13".

DIGITAL RADIO SYSTEM FOR SWEDISH RADIO

2009 Norrköping

Complete digital radio station with a central matrix 4'096 x 4'096, 10 concentrators connected to the matrix by Gigabit fibres or CAT5 cables, 5 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

DIGITAL RADIO SYSTEM FOR SWEDISH RADIO

2009 Kiruna

Complete digital radio station with a central matrix 4'096 x 4'096, 6 concentrators connected to the matrix by Gigabit fibres or CAT5 cables, 4 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

SERIX MIXERS FOR RSR SWITZERLAND

2009 Lausanne

SERIX mixers for the "Espace 2" culture programme: 1 mixer with 20 faders with 1 satellite mixer of 8 faders, 6 mixers with 12 faders with a satellite mixer of 4 faders each, plus 1 KBOX unit for intercom and monitoring.

This system is the third step of a project to replace the existing digital mixers in Lausanne and Geneva by at least 33 Mandozzi SERIX mixers and a large fully redundant central matrix.

CENTRAL MATRIX FOR RBB GERMANY

2009 Potsdam

Replacement of the redundant central matrix we supplied in 2001, by a new redundant one with 4'096 x 4'096 cross points. It is equipped with DSP power for level adjustment, internal tone generator, generation of stereo sums, stereo-mono conversion, internal level monitoring, compressors with level adjustment, phase shifters, threshold switches for intercom system.

GMIX MIXER FOR RBB GERMANY

2009 Potsdam

Additional concentrator for 48 mono equivalent analogue and digital inputs and outputs each, connected to the central matrix via Gigabit optical fibres.

EMERGENCY MATRIX FOR FINLAND

2009 Helsinki

Matrix that switches 64 mono equivalent back up signals to the output in case the main signals are out of order. The switch is controlled remotely from the customer's main control PC via IP, or locally by push buttons. It can switch individual signals or all together.

MATRIX FOR RADIO-TV HONG KONG

2009 Hong Kong

Redundant matrix 512 x 512

for On Air management, with custom designed 16 remote control panels and status indicator panels.

MATRIX FOR ARD STERNPUNKT GERMANY

2009 Frankfurt

2'048 x 2'048 matrix

that integrates 256 x 256 AES/EBU channels, 32 x 32 transparent 2 Mbps channels, plus a functionally independent matrix with 128 x 128 channels. DSP power to realise conferences with up to 16 participants. Possibility to listen to all input and output lines (audio as well as 2 Mbps signals), whereby the outputs are monitored directly at the output connectors.

SOFTWARE PANELS FOR RBB GERMANY

2009/12 Berlin, Potsdam,
Cottbus, Frankfurt Oder

13 Software Panel Networks
(SOPA-NET), flexible display

systems for various applications such as in control rooms, studios, etc. They replace the electromechanical hardware boxes.

The panels can be freely configured by the user to display indicator boxes, text fields, clocks, timers, etc., at any place on the screen, with any size and colour.

PORTABLE MIXER FOR RSR SWITZERLAND

2009 Lausanne

SERIX mixer with 16 faders and associated concentrator for 40 inputs and 40 outputs, transported in two flight cases. For in-house use, the mixer is connected to the central matrix via optical fibres. For external use, the mixer can work as stand-alone console, or it can be connected to the radio house via integrated IP codecs or via external communications equipment; in this case, it behaves as if it were installed in the radio house.

SERIX MIXERS FOR RSR SWITZERLAND

2009 Lausanne

2 SERIX mixers for the "La Première" general programme with 12 faders each.

DIGITAL RADIO SYSTEMS FOR SWEDISH RADIO

2010 Norrköping 2 and Örebro

Complete digital radio stations with a central matrix 4'096 x 4'096, 9 concentrators connected to the matrix by Gigabit fibres or CAT5 cables, 5 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via 2 Mbps channels for audio and remote control signals. Every mixer can remotely control the matrix of any other station.

SOFTWARE PANEL FOR WDR GERMANY

2010 Cologne

1 Software Panel (SOPA). flexible display system for various applications such as in control rooms, studios, etc. It replaces the electromechanical hardware boxes. The panel can be freely configured by the user to display indicator boxes, text fields, clocks, timers, etc., at any place on the screen, with any size and colour.

SERIX MIXER FOR RSR SWITZERLAND

2010 Lausanne

SERIX mixer for "Studio 15" with 12 faders and its concentrator.

AUDIO ROUTER FOR TELEKOM AUSTRIA

2010 Wien

Redundant matrix 2'048 x 2'048

with 240 integrated redundant line equalisers that are adjusted by software. The matrix is equipped with automatic level monitoring, comfortable scheduling functions, several monitoring working positions, intercom, ISDN codec management.

SERIX MIXERS FOR RSR SWITZERLAND

2010 Lausanne

Two SERIX mixers

with 12 faders each for the "Option Musique" light music programme.

SERIX MIXERS FOR RSR SWITZERLAND

2010 Lausanne

3 SERIX mixers for the "La Première" first programme: 2 mixers with 12 faders with 1 satellite mixer of 4 faders each, 1 mixer with 12 faders with 2 satellite mixers of 4 and 8 faders, plus 1 KBOX unit for intercom and monitoring.

MATRIX FOR RBB GERMANY

2010 Potsdam

Replacement of the matrix for the 3rd programme that we supplied in the year 2001: Redundant 2'048 x 2'048 matrix with comfortable scheduling, and DSP power for sums, compressors, level adjustment, test tone generator, etc. Supply of a 24 fader GMIX mixer.

MATRIX FOR RBB GERMANY

2010 Berlin

New redundant central matrix 4'096 x 4'096 with comfortable scheduling, with automatic level monitoring and intercom, with DSP power for sums, equalisers, compressors, level adjustment, test tone generator, delay, etc.

MATRIX FOR ARD STERNPUNKT GERMANY

2010 Frankfurt 1'024 x 1'024 matrix that integrates 184 x 184 AES/EBU channels, and is connected to the existing main matrix via Gigabit connections.

MATRIX FOR RBB GERMANY

2010 Potsdam

Replacement of the matrix for the Antenne Brandenburg programme that we supplied in the year 2001: Redundant 2'048 x 2'048 matrix with comfortable scheduling, and DSP power for sums, compressors, level adjustment, test tone generator, etc.

MATRIX FOR RTBF BELGIUM

2010 Brussels

Redundant 4'096 x 4'096 matrix that replaces the central matrices we supplied in the year 1998. Apart from 280 AES and 96 stereo analogue I/O, the matrix and its concentrators are equipped with the following interfaces: 24 MAD1, 19 E1 2 Mbps with built-in J.41 and J.57 coders and decoders, 34 IP for G.711, G.722, MPEG 1 Layer II, Enhanced APT-X and linear audio transmission, and 312 GPIOs. The matrix performs the following audio processing: 16 signal delays of up to 5 seconds each, 16 stereo-mono converters, 16 equalizers, 48 crossfades, 48 sums of four inputs each, 48 limiters/compressors, 48 L/R inverters, 48 level monitoring, 48 level measurements with display on PC screens, conferences with 16 participants, 1 test tone generator, generation of 8 time code signals and of 8 announcements.

SOFTWARE PANEL FOR HESSISCHER RUNDFUNK GERMANY

2010/11 Frankfurt

3 Software Panels (SOPA). flexible display system for various applications such as in control rooms, studios, etc. It replaces the electromechanical hardware boxes. The panel can be freely configured by the user to display indicator boxes, text fields, clocks, timers, etc., at any place on the screen, with any size and colour.

EMERGENCY SWITCH FOR RBB GERMANY

2011 Berlin

24 AES/EBU lines (extensible to 32) coming from the main matrix delivered in 2010 are submitted to modulation control and switched over to emergency sources (also submitted to modulation control) if necessary. The switch over is automatic or individually selectable using a keyboard with 64 buttons with red and green led's indicating the real switch positions.

DIGITAL RADIO SYSTEMS FOR SWEDISH RADIO

2011 Jönköping and Luleå

Complete digital radio stations, each one with a central matrix 4'096 x 4'096, 7 concentrators connected to the matrix by Gigabit fibres or CAT5 cables, 4 mixers with integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The stations are interconnected via AoIP channels for audio (realized using UMAC) and remote control signals using a WAN. Every mixer can remotely control the matrix of any other station.

SERIX MIXERS FOR RSR SWITZERLAND

2011 Lausanne

faders and 1 satellite mixer of 4 faders, plus 1 KBOX unit for intercom and monitoring.

1 SERIX mixer
for Studio 7:
One mixer with 12

MIXER FOR SWEDISH RADIO

2011 Jönköping

Two additional GMIX 4-fader mixers with one concentrator for the Jönköping radio station.

RADIO SYSTEM FOR RBB GERMANY

2011 Cottbus Redundant matrix with 4'096 x 4'096 cross points, 4 GMIX mixers with 16 faders, 1 GMIX with 8 faders, 1 GMIX with 4 faders, and 2 GMIX with 2 faders, 9 ICOMBOX for listening and intercom.

SMALL MATRICES FOR FINLAND

2011/13 Different Transmitter Sites

33 fully redundant small (4 x 1 stereo) double (analog and AES/EBU) matrices, type KS41X2, controlled via the local keys and/or GPIO and/or serial port and/or LAN (using a SNMP controller) and/or automatically depending on the status of the built in modulation control circuitry.

CENTRAL MATRIX FOR MDR GERMANY

2011 Magdeburg Redundant central matrix with 2'048 x 2'048 cross points, with 2 integrated IP codecs, 12 MADi interface modules, 88 GPIO, and DSP power for stereo sums, stereo-mono converters, level adjustments, compressors, phase inverters, peak meters, and a test tone generator. A touch screen is used to select the signals to be monitored, and two ICOMBOXes serve for the intercom. A concentrator for 80 inputs and 80 outputs plus 32 GPIO is connected to the matrix via optical fibres.

MIXERS FOR SWEDISH RADIO

2012 Luleå

One additional GMIX mixer with 12 and a studio unit, plus one GMIX mixer with 4 faders for the Luleå radio station.

CENTRAL MATRIX FOR MDR GERMANY

2011 Dresden Redundant central matrix with 2'048 x 2'048 cross points, with 2 integrated IP codecs, 12 MADi interface modules, 88 GPIO, embedder/de-embedder, and DSP power for stereo sums, stereo-mono converters, level adjustments, compressors, phase inverters, peak meters, and a test tone generator. A level monitoring system with automatic switching to a back up signal is also integrated. A touch screen is used to select the signals to be monitored, and two ICOMBOXes serve for the intercom. A concentrator for 80 inputs and 80 outputs plus 32 GPIO is connected to the matrix via optical fibres.

MATRIX FOR RBB GERMANY

2011 Potsdam

Replacement of the matrix for the “Fritz” youth programme that we supplied in the year 2001: Redundant 2’048 x 2’048 matrix with comfortable scheduling, and DSP power for sums, compressors, level adjustment, test tone generator, etc.

MIXERS FOR SWEDISH RADIO: 3 NORTH STATIONS LINKED TO LULEÅ

2012 Pajala, Haparanda, Arvidsjaur

Four SERIX mixers (2 in Pajala with 12 and 8 faders, 1 in Haparanda with 8 faders, 1 in Arvidsjaur with 8 faders) are linked to the Luleå station using a WAN for the control and 18 AoIP lines (realized using 18 UMAC-M on each transmitting end) for the audio.

DIGITAL RADIO SYSTEM FOR HR GERMANY

2012 Frankfurt am Main

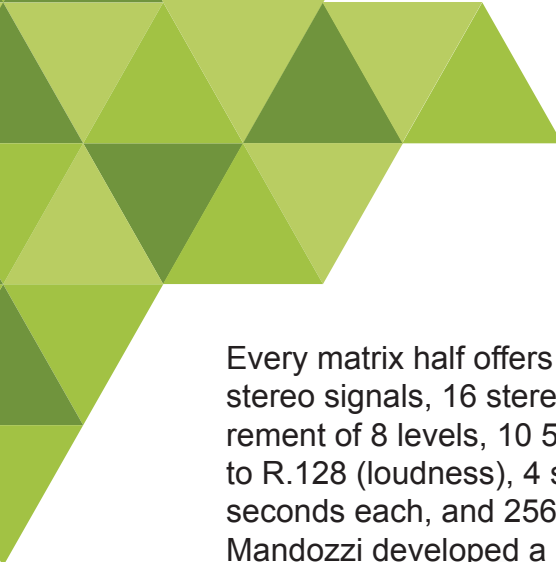
Complete digital radio station with a redundant central 4’096 x 4’09 matrix and up to 5 radio programmes, each one being equipped with 4 SERIX mixers with 8 to 16 faders. The two redundant halves of the matrix are installed in two separate rooms for safety reasons. Every matrix half is equipped with 24 Gigabit fibre interfaces and 3 MADI interfaces, and every matrix half is connected to 4 concentrators with 64 analogue and AES inputs and 48 analogue and AES outputs each. The mixers remotely control the matrix, and they intercommunicate via IP.

In a first step (October, 2012), the redundant matrix and 8 mixers are supplied.

CENTRAL MATRIX FOR ORF AUSTRIA

2012 Vienna

Redundant matrix where every matrix half has a switching capacity of 4’096 x 4’096 and is equipped with 24 MADI interfaces and 2 Gigabit interfaces, all on optical fibres. The Gigabit fibres connect two concentrators with 128 analogue and AES inputs and outputs; 64 analogue inputs and outputs pass across transformers.



Every matrix half offers DSP capacity for the following functions: 16 sums of 2 stereo signals, 16 stereo filters, 16 limiters/compressors, monitoring and measurement of 8 levels, 10 5.1/stereo conversions, 8 level measurements according to R.128 (loudness), 4 sound generators, storage of 4 pre-recorded texts of 5 seconds each, and 256 stereo/mono conversions.

Mandozzi developed a custom designed software that controls a Riedel intercom matrix in parallel to the internal audio connections.

MATRIX FOR RBB GERMANY

2012 Potsdam

Replacement of the matrix for the “Radio 1” programme that we supplied in the year 2001: Redundant 2’048 x 2’048 matrix with comfortable scheduling, and DSP power for sums, compressors, level adjustment, test tone generator, etc.

DIGITAL RADIO SYSTEMS FOR SWEDISH RADIO

2013 Uddevalla and Borås

Two complete digital radio stations, each one with a central matrix 4’096 x 4’096, 9 concentrators connected to the matrix via redundant Gigabit fibres or CAT5 cables, 5 mixers with 4 to 16 faders, 4 ICOMBOX for intercom, integrated comfortable communications facilities, e. g. control of telephone hybrids and ISDN codecs. The new Swedish radio stations are interconnected via AoIP channels (realized using UMAC) for audio and remote control signals using a WAN. Every mixer can remotely control the matrix of any other station.

MATRIX FOR RBB GERMANY

2013 Potsdam

Replacement of the emergency matrix that we supplied in the year 2001: Redundant 2’048 x 2’048 matrix with comfortable scheduling, and DSP power for sums, compressors, level adjustment, test tone generator, etc., plus a GMIX mixer with 24 faders.

SIX CONCENTRATORS FOR NRK NORWAY

2013 Several sites in Norway

The quantity of audio interfaces of the matrices in 6 regional stations is expanded by connecting additional concentrators.

EIGHT SERIX MIXERS FOR HR GERMANY

2013 Frankfurt am Main

Eight additional SERIX mixers for the radio house of Hessischer Rundfunk in Frankfurt.

ONE SERIX MIXER FOR CHINA

2013 Taiyuan One SERIX mixer 12 faders for the local radio.

DIGITAL RADIO SYSTEM FOR RTS SERBIA

2014 Belgrade Central redundant matrix with 96 analogue and AES inputs and outputs and 7 redundant Gigabit fibre interfaces. The matrix is equipped with DSP power for the simultaneous measurement of 24 stereo signals according to quasi peak or R.128, monitoring of 16 stereo signals by comparing them with pre programmed upper and lower limits, generation of a test signal according to UER Tech 3304 and of two sine signals with individually adjustable levels and frequencies. 6 concentrators, connected to the matrix via redundant gigabit fibres, for connecting 6 existing mixers. 1 SERIX mixer with 12 faders.

CONCENTRATORS AND UMAC CODECS AND SERIX FOR SWEDISH RADIO

2014 24 regional radio stations

24 concentrators that are connected to the central matrix of the regional stations via redundant CAT5 connections, equipped with a total of 140 IP codecs UMAC-M. Additionally we delivered two COMBIMUX cabinets and two DT11 cabinets, equipped with a total of 18 IP codecs UMAC-C, as well as one SERIX mixer with 8 faders.

FOUR SERIX MIXERS FOR HR GERMANY

2014 Frankfurt am Main

Four additional SERIX mixers for the radio house of Hessischer Rundfunk in Frankfurt.

MIXER SYSTEM FOR RMC

2014 Montecarlo 1 SERIX mixer 16 fader with 1 SERIX split mixer 8 fader. This mixer system is directly connected (audio as well as remote control) to the matrix in Milano delivered 2005 and serving the 3 radios R105, RMC, and Virgin.

EMERGENCY SWITCH FOR RBB GERMANY

2014 Potsdam

The 32 AES/EBU main outputs of the main matrix are submitted to modulation control. If there is an alarm indication the change over between the main source and the emergency source is executed only manually.

SOFTWARE PANELS FOR SÜDWEST RUNDFUNK GERMANY

2014/15 Mainz and Baden-Baden

2 Software Panel Networks (SOPA-NET), flexible display systems for various applications such as in control rooms, studios, etc.

They replace the electromechanical hardware boxes.

The panels can be freely configured by the user to display indicator boxes, text fields, clocks, timers, etc., at any place on the screen, with any size and colour.

CENTRAL MATRIX EXTENSION FOR ORF AUSTRIA

2015 Vienna

The redundant matrix delivered 2012 was extended with a third concentrator equipped with 8 UMAC-M cards realizing 8 AoIP codecs, two of them used for the link to the "Rathaus" where we have delivered 1 DT11 equipped with 2 UMAC-C modules. Furthermore the matrix system was extended with 16 additional MADI interfaces.

REGION MATRICES FOR ORF AUSTRIA

2015 Linz and Sankt Pölten

These are the first 2 of 5 region matrices.

The fully redundant matrices have a maximum size of 4096 x 4096 and are equipped with 48 AES inputs, 48 AES outputs, 96 analog inputs, 96 analog outputs, 12 MADI inputs (56/64 channels), 12 MADI outputs (56/64 channels), 1 SDI de-embedder (16 audio channels), 1 SDI embedder (16 audio channels), 48 GPIO, 4 AES67 DANTE interfaces (64 channels each), 2 UMAC-M realizing 2 AoIP codecs, as well as 256 redundant DSP channels for various functions.

SOFTWARE PANELS FOR DEUTSCHLANDRADIO GERMANY

2015/16 Cologne and Berlin

2 Software Panel Networks (SOPA-NET), flexible display systems for various applications such as in control rooms, studios, etc. They replace the electromechanical hardware boxes. The panels can be freely configured by the user to display indicator boxes, text fields, clocks, timers, etc., at any place on the screen, with any size and colour.

DIGITAL RADIO SYSTEM FOR HR GERMANY

2016 Kassel

Complete digital radio station with a redundant central 4'096 x 4'09 matrix and 4 SERIX mixers with 8 to 12 faders connected to the matrix using Gigabit fibre interfaces. The mixers remotely control the matrix, and they intercommunicate via IP. This matrix is connected to the Frankfurt matrix delivered in 2012 using Gigabit redundant dark fibre for the audio part and a WAN for the control part. The Kassel system is integrated in the Frankfurt system, i.e. the Kassel mixers work as they were in Frankfurt, but in an emergency situation the Kassel system can work as a stand alone system.

ONE CIMIX MIXER FOR ZHANGJIAKOU RADIO, CHINA

2016 Zhangjiakou

One CIMIX mixer 12 faders

PLAYOUT CENTER FOR SRG

2016 Zurich

The system originally delivered 2006 has been replaced with the new technology. Two doubly redundant matrices are based on the 2048 x 2048 structure and located in separate rooms of the playout centre Zurich for feeding all Swiss distribution lines via built in 2Mbit interface cards ROUT8, each containing 7 MPEG Layer II encoders and 1 data encoder. The router is also equipped with adjustable audio signal delay units, as well as with 2Mbit interface cards RIN8, each containing 7 MPEG Layer II decoders and 1 data decoder, for monitoring all sent signals.

REGION MATRICES FOR ORF AUSTRIA

2016 Salzburg, Dornbirn, Innsbruck

These are the last 3 of 5 region matrices. The fully redundant matrices have a maximum size of 4096 x 4096 and are equipped with 48 AES inputs, 48 AES outputs, 96 analog inputs, 96 analog outputs, 12 MADI inputs (56/64 channels), 12 MADI outputs (56/64 channels), 1 SDI de-embedder (16 audio channels), 1 SDI embedder (16 audio channels), 48 GPIO, 4 AES67 DANTE interfaces (64 channels each), 2 UMAC-M realizing 2 AoIP codecs, as well as 256 redundant DSP channels for various functions.

TWO CIMIX MIXERS FOR RADIO MARIA

2017 Erba, Italy

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface

TWO CIMIX MIXERS FOR RADIO MARIA

2017 Guatemala City, Guatemala

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface, each with XLR breakout box

THREE CIMIX MIXERS FOR YINGKOU RADIO, CHINA

2017 YingKou

Three CIMIX mixers 12 faders, each equipped with AES67 Dante interface.

TWO CIMIX MIXERS FOR RADIO MARIA

2017 Lusaka, Zambia

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface, each with XLR breakout box

EXTENSION OF THE MAIN ROUTER BERLIN FOR RBB GERMANY

2017 Berlin

The router delivered 2011 has been extended with an AES67 interface (DANTE) with 128 channels.

EXTENSION OF THE RADIOMEDIASET SYSTEM (R105, RMC, VIRGIN)

2017 Milan

The system delivered 2005 has been extended with an AES67 interface (DANTE) with 64 channels, as well as with a MAD1 interface with 64 channels in order to interchange the audio signals with the Radio 101 system.

RADIO TÉLÉVISION SUISSE RTS (FORMER RSR)

2017 Lausanne

The system delivered 2008 has been refurbished and upgraded. On the central router 4096 x 4096 a new software has been installed, allowing to control 35 SERIX mixers. The SERIX mixers themselves have received the new DSPL boards, allowing to process up to 72 channels. Additionally, an AES67 (DANTE) interface for 256 channels has been implemented in the router.

THREE CIMIX MIXERS AND EXTENSION OF A ROUTER FOR SWEDISH RADIO

2017 Stockholm

The router originally sent to Uddevalla has been transferred to Stockholm and extended with an AES67 interface (DANTE) with 256 channels. The AES67 network has been used to connect to the router 3 CIMIX mixers (12 faders, 4 faders, 4 faders) with Swedish labels.

TWO CIMIX MIXERS FOR RADIO MARIA

2017 Kigali, Rwanda

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface, each with XLR breakout box

ONE CIMIX MIXER FOR SWEDISH RADIO

2017 Bollnäs

The 12 faders CIMIX mixer is installed in the studio of this substation, which is connected to connected to the regional router Gävle delivered in 2005.

UPGRADE OF THREE CENTRAL MATRICES FOR ORF AUSTRIA

2017 Graz, Eisenstadt, Klagenfurt

These three matrices delivered in 2005, 2006, 2008 have been upgraded in order to be compatible with the five matrices delivered in 2015 and 2016. Particularly an AES67 (DANTE) for 256 channels, four MADI interfaces each for 64 channels, as well as additional DSP functionalities, have been added to each matrix.

TWO CIMIX MIXERS FOR RADIO MARIA

2018 Yaoundé, Cameroun

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface, each with XLR breakout box

TWO CIMIX MIXERS FOR RADIO MARIA

2018 Bratislava, Slovakia

Two CIMIX mixers 12 faders, each equipped with AES67 Dante interface, each with XLR breakout box

ONE CIMIX MIXER FOR RADIO MARIA

2018 Gitarama, Rwanda

One CIMIX mixer 12 faders, equipped with AES67 Dante interface, with XLR breakout box

TWO CIMIX MIXERS FOR YAN BIAN RADIO, CHINA

2018 Beijing

Two CIMIX mixers 12 faders, each equipped with MADI and AES67 Dante interface.

ONE CIMIX MIXER FOR RADIO MARIA

2018 Houston, USA

One CIMIX mixer 12 faders, equipped with AES67 Dante interface, with XLR breakout box

14 BEA3X AUTO CHANGEOVERS SYSTEM FOR RAI ITALY

2018 Rome, Italy

Complete MADI I/O Changeover system for the monitoring and the management of 2 main routers for the national Italian public radio.



AUDIO SYSTEM FOR RADIO CAPITAL AND RADIO M20 MILAN

2018 Milan, Italy

This system is based on the new ARES mixer surface with the new BEA3X I/O and DSP unit and consists of:

1 ARES 24 motorfaders with 3 BEA3X units distributed on 3 floors for Radio Capital, 1 ARES 16 motorfaders with 3 BEA3X units distributed on 3 floors for Radio M20, 1 BEA3X unit as Central Router between both mixers and the existing infrastructure.

