



PRODUCT CATALOGUE



Communications

Communication equipment for Radio and Television has always been among our R&D departments' most important field of know-how. This includes outside broadcast equipment with connectivity to virtually any available telecoms infrastructure.

SYSTEL IP. Talk-show and multi-conference system for IP telephony.

This system provides broadcast talk-show management for IP telephony. It handles calls from Service providers, Local switchboards and even audiocodescs. The Systel IP significantly improves the audio quality of your talk-shows and increases the flexibility and integration with already existing telephone systems at your station. The investment required is very small and will be amortized very rapidly through simple cost saving. To handle a call queue or the multi-conference system, tablets can be used for the web-browser based software application.



TH-03. Digital Telephone Hybrids.

The TH-03 is an advanced digital hybrid that comes in versions for 1 or 2 telephone lines, and either analog or AES/EBU digital inputs and outputs. Each model has built-in signal level metering for each hybrid line. Feedback is automatically mitigated by the digital hybrid, and no adjustments or calibration required. The two line models include a mix-minus bus for multiplex communication while on-air or on-hold in the studio that automatically establishes a conference between the two telephone lines.



PHOENIX MERCURY. IP AudioCodec.

The AEQ MERCURY is a full duplex, Stereo, IP audiocodec allowing for connections in Stereo, Dual or Mono. The codec is exclusively controlled through PC software interface, allowing for the remote or local management of one or a series of audiocodescs. A very cost effective solution for, for example, STLS.



PHOENIX VENUS. Dual line IP AudioCodec

AEQ VENUS is a dual IP stereo, full duplex audiocodec system. With a single unit it is possible to establish two bi-directional stereo or four mono (to one or two different locations). Designed to meet the international recommendation N/ACIP EBU Tech3326 The unit has balanced analogue Audio Inputs and Outputs through XLR connectors as well as digital audio AES/EBU I/O's.



PHOENIX STRATOS. Dual line IP, ISDN and V-35/X21 AudioCodec.

Phoenix STRATOS is a Dual channel rackmounted audiocodec with IP, ISDN and X21/V35 connectivity. Comprehensive, redundant, easy to use and controllable - for your station or network communications! This AudioCodec is the solution for any broadcaster with the need for a versatile but yet straightforward and efficient AudioCodec.



PHOENIX MOBILE. Portable AudioCodec for IP ISDN and PSTN.

A powerful IP audiocodec system and versatile communications platform combined in a small, light weight, portable unit providing the ultimate in complete mobility while doing remotes. It includes many great features such as a crystal clear color display, easy navigation keys, intuitive setup, digital mixer, multiple analog inputs, hinged protective cover, 12 VDC power supply/charger, and an optional long life battery.



PHOENIX PC. Software AudioCodec.

An application that converts your Windows based PC into a high quality bidirectional audiocodec. Allows you to establish an audio connection from your PC to all the Phoenix family audiocodescs and to any codec that complies with the N/ACIP compatibility. Connection can be accomplished from virtually anywhere through IP, (ADSL/ Cable MODEM), or a mobile network with for example 3G, Wi-Fi, Wimax, Inmarsat IP, etc.



PHOENIX POCKET y PHOENIX LITE. Soft-codec Apps for journalists.

AEQ offers soft-codec applications that will allow you to establish a high quality bidirectional connection between your Audio-Codec AEQ Phoenix, or other brand compatible with N/ACIP, and an iPhone™ or Android™, either through the 3G mobile network or a Wi-Fi access point.





Broadcast monitors

AEQ's KROMA Broadcast Monitors have been designed to meet a very wide range of requirements for signal monitoring. Our products meet the highest standards in regards to quality and specifications. With AEQ's KROMA Broadcast Monitors you are making the right choice!

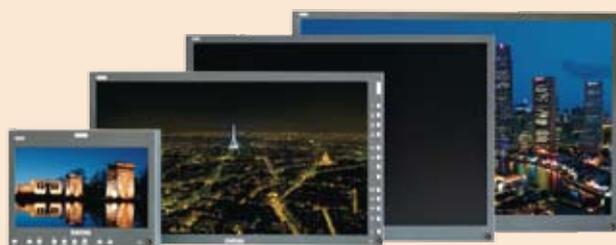
SERIES LM7000

The series 7000 broadcast monitors are compatible with all types of Video and Audio Inputs, including 3G-SDI and HDMI. New functions have been implemented to ensure full signal monitoring capabilities such as precision VU-meters, Picture-in-Picture (PiP), Picture-by Picture (PbP) and Dual-Split (two signals with Waveform and Vectorscope). Further, the monitor on-screen menus have been enhanced and modified to be more intuitive. Different Layouts allow to visualize video signal and the majority of tools simultaneously and including the most relevant information concerning the signal. The monitors are by default equipped with DVI-I, HDMI and SD-SDI Video inputs. Available options can be activated through previously acquired password.



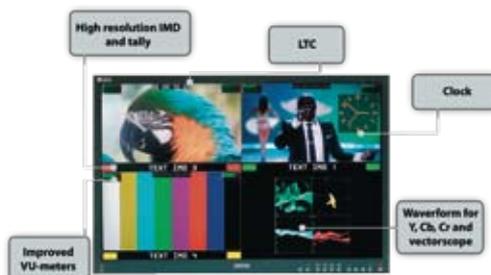
SERIES LM4000

Our new Series 4000 we are proudly considering as our Entry Level Monitors. Nonetheless these Monitors offer more specifications and performance than you can expect from competing brands equivalent level. The Series 4000 offers DVI-I and HDMI inputs, two PAL inputs that can be converted into Input/Output and two SD/HD-SDI with active loop outputs – practically all the most common Video Input options available. These monitors are counting on very complete signal monitoring capabilities, including precision VU-meters, Picture-in-Picture (PiP), Picture-by Picture (PbP) and very intuitive on-screen menus.



SERIES QS7000

The new QS Series Monitors with built-in quad-split and 10 inputs, has been enhanced with Waveform and Vectorscope tools, high resolution IMD (In-Monitor Display) and Precision VU-meters. Further, onscreen clock and the option to turn 4 video inputs into active loop outputs through menu has also been implemented. The QS series monitors have two DVI-I inputs (YPbPr, VGA and DVI video modes) and 8 format auto-detecting video inputs (composite and SD-SDI signals). These 8 inputs can be easily turned into 4 multi-standard inputs + 4 digital outputs on the on-screen menu. HD is optional for the multi-format inputs and can be included at the time of purchase or activated by license at a later stage.



SERIES LM7500

The 7500 series from KROMA, with monitor kits of 9", 7", 5" and 4", feature high quality LED-backlight screens and a wide range of inputs. The Series 7500 includes the option to display 3G-SDI signals, tools for camera calibration, and other functions such as Precision VU-meters, headphones output, In Monitor Display (IMD), on-screen or LED tally. The series QS is the perfect choice for HD/3G OB Vans, sports productions and in general where space is at premium rate.



SERIES LM6500

The LM6500 preview monitors are based on 4", 5", and 7" 16:9 native LCD high resolution panels, featuring LED backlight to reduce power consumption and providing better colour reproduction. The LM6500 series is available in three different versions; LM650xA11 that is prepared for all types of signals with composite and SD/HD-SDI inputs, the LM 650xA12 that has composite and SD/HD-SDI inputs that can be upgraded to HD through license, and the LM650xA21, a basic solution that only counts on composite video inputs and does not have any upgrade options.



SERIES TBM (TRUEBLACK)

The TRUEBLACK series is based on a new generation of LCD screens with IPS-Pro technology. Originally developed for medical applications, this technology provides a better display of black, improved uniformity of colours and better performance in wide angles. These features, close to those of a reference monitor, make this monitor very suitable for applications that require high performance screens, such as camera control. The TRUEBLACK series has the same input options and features as the 7000 Series.



Intercom systems

The new AEQ KROMA Intercom systems are the perfect choice for audio communication solutions. Our systems range from 1024x1024 broadcast quality audio sources down to our EasyNET 4-port system, an IP based Party-line system not requiring an Intercom Matrix. Our Intercom Systems are tangible representations of high-performance, cost-efficient and flexible broadcast communications.

CONEXIA INTERCOM SYSTEM

The ConeXia intercom system represents a leap forward and a new concept in regards to intercom systems as it becomes a global audio solution. ConeXia has the capacity of up to 1024 x 1024 cross-points and is based upon a modular system of audio I/O cards. But what really makes ConeXia special is the possibility to integrate intercom and broadcast audio sources into the same matrix, with 48 KHz 24 bits sampling and a 100% redundant system. ConeXia is also compatible with all KROMA intercom panels, and expands the interface options with KROMA (telephone, GSM) and AEQ (MADI, fiber optics, IP, etc.) cards.



TH5000 INTERCOM SYSTEM

The TH5000 hybrid matrixes are cornerstone of the TH5000 hybrid intercom system. The system integrates audio sources of three different types - analogue, digital and Voice-over-IP. The Matrix has four transformer balanced analogue 4 W ports, digital audio ports for the panel connections and IP Ports for remote panels or IP Belt-packs. With four different versions in 12, 24 and 48 ports (upgradeable by software) and only 1RU high, the TH5000 is an ideal solution for small and mid-sized intercom systems.



TB3000 INTERCOM SYSTEM

TB3000 represents an affordable option for small and medium-sized intercom systems. In only 1RU the TB3000 System comes with four transformer balanced analogue 4 W ports, 8 or 16 digital audio ports for the panel connections. Additionally, the network port of the TB3000 can be enabled to host the new IP wired belt-pack BP3004 thus providing the system with one party-line channel.



EasyNET Party-Line

EasyNET is the new 4 channel party-line system from AEQ -KROMA. This system does not require a matrix and is based on three IP terminals (racked panel, desktop panel, and belt-pack), the system is one of the easiest to install and configure on the market - very similar to a LAN network. The installation consists in the simple connection of up to a maximum of 28 IP based terminals to a single Network.

TP5000 USER PANELS

The TP5000 series panels with 4 different audio ports represent AEQ-KROMA's top range of user panels. What makes these panels stand out is the user interface. Each key is actually an independent graphic LCD, which can display two lines of 6 characters and is completely configurable for colour, brightness and function. The TP5000 is provided with 4 different audio ports: 2 digital ports, 1 IP port and 1 analogue port and are compatible with any AEQ-KROMA intercom matrix. Two models of 1RU rack-mounted user panels are available in the 5000 series: the TP5008 provides 8 keys and the TP5024 holds 24 keys. These can be expanded with an additional 24 keys through the EP5024 kit.



TP4000 USER PANELS

The 4000 series panels consists in two high performance LCD displays that shows 8 character labels for each of its 16 keys. As the TP5000 series, it is provided with 4 different audio ports. The 4000 series is a 1RU high 16-key rack panel (TP4016), which can be expanded by adding the EP4016 expansion kit, with 16 additional keys, two LCDs and a dialling pad in only one extra RU high. A desktop version (TP4216) is also available.

The TP4000 are provided with 4 different audio ports: 2 digital ports, 1 IP port and 1 analogue port, making them compatible with any AEQ-KROMA intercom matrix.



TP3000 USER TERMINALS

The 3000 series is a cost-effective alternative to the 4000 and 5000 user panels. The keys are identified with printed labels generated by Crossmapper software. The TP3016 panel provides 16 keys with two digital and one analogue audio ports in a 1RU and can be expanded by adding the EP4016 expansion kit for 16 additional keys, two LCDs and a dial-pad. A desktop version (TP3216) is also available. The TP3000 series is compatible with any AEQ-KROMA intercom matrix.



WIRELESS USER TERMINALS

The AEQ-KROMA intercom systems offer a wide variety of wireless terminals based on WiFi technology. Two different formats of terminals are available; The belt-pack BP5004 with 4 configuration keys and the VP4000 Virtual Panel that can be installed on Windows, Android and IOS.



Digital audio mixing consoles for broadcasting.

We have audio mixing consoles for broadcasting and production using digital and analog technologies with varying feature levels, but always including what is essential to your broadcast operation: reliability, ensuring non-stop operation and excellent audio quality.

AEQ ARENA. A console for the demanding.

Up to 75 motorised faders with 256 Inputs and 256 Output summing buses. No limits in number of N-1 buses. Unmatched modularity and flexibility in regards to programming of the console. Multi-channel connectivity and networking via IP or MADI.

AEQ FORUM.

Modular, self-contained digital audio mixing console

adapted to all the levels of users. Up to 20 faders, 128 Inputs and 128 Output buses out of which 32 are summable. Up to 8 N-1 buses and with Multi-channel connectivity and networking via IP or MADI. Digital telephone hybrids can be integrated optionally. The compact design and modularity makes this console perfect for virtually any application. Digital performance at a price comparable to traditional analogue consoles.

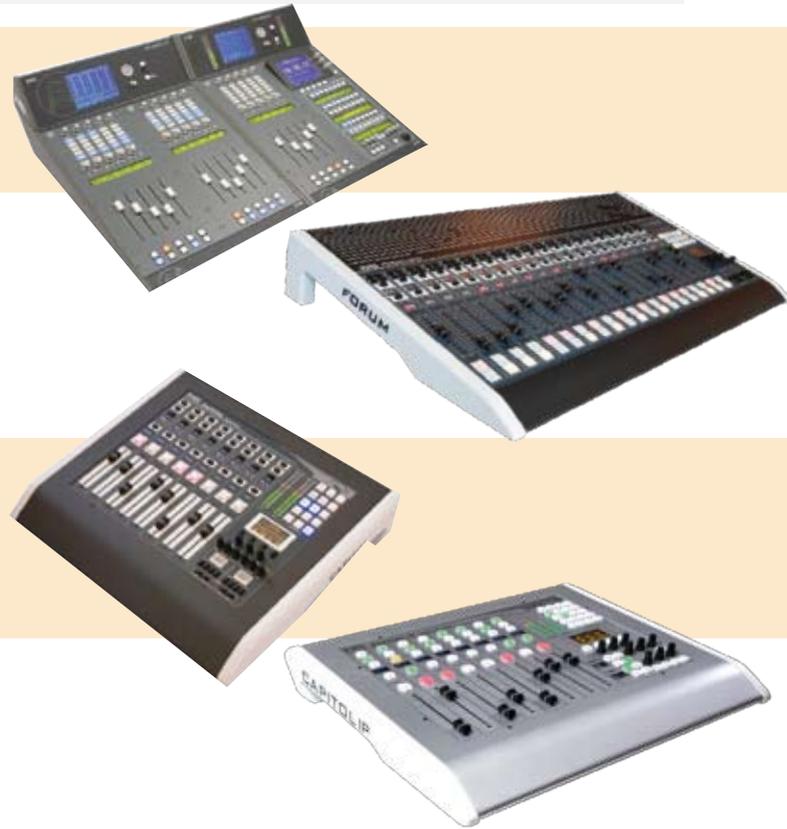
AEQ CAPITOL

Ultra-compact, digital audio mixing console

CAPITOL is a console with few options but has everything that is needed! Multi-channel connectivity and networking via MADI. Digital telephone hybrids can be integrated optionally. Simplicity of use in combination with audio quality and performance that is normally only available in top-level systems makes this console the perfect choice for smaller but demanding stations.

AEQ CAPITOL IP AEQ CAPITOL IP. Ultra-compact, digital audio mixing console with Audio over IP networking connectivity.

CAPITOL is AEQ's latest product in its family of Digital Audio Mixing consoles. CAPITOL IP is specifically designed for multi-channel audio networking over IP or MADI. CAPITOL IP is an ergonomically improved version of CAPITOL with increased capacity for programming of specific functions



MULTI-CHANNEL AUDIO OVER IP NETWORK LINKS FOR AEQ'S RANGE OF DIGITAL AUDIO MIXING CONSOLES AND ROUTING SYSTEMS.

With the aim to provide AEQ's clients with solutions that takes advantage of the latest technology, we have developed a multi-channel audio distribution system over IP. These solutions include solutions for the Digital Audio Mixing Consoles and Routing systems from AEQ that simplifies cabling and drastically reduces the costs involved with system interconnections.



CAPITOL IP – an audio mixing console with IP multi-channel connectivity - as well as interface cards for the AEQ ARENA and FORUM mixers and the BC2000D routing systems in tandem with the NETBOX I/O interfaces are part of AEQ's latest developments.

NETBOX 8AD y NETBOX 32AD.

Audio connection interface for Audio over IP.

This product provides IP multi-channel connectivity for already existing analogue or digital installations. The NetBox becomes paramount when seeking to integrate already existing, remote or local, analogue or digital Mixers and Routers, into an Audio over IP network. NetBox comes with 8 and 32 I/Os respectively.



BC-2000 ROUTER.

Audio Matrix, TDM or mixed, with capacity of up to 5.120 x 5.120 circuits

in "non-blocking" structure. With digital and analogue I/Os and long distance dark fiber multi-channel links, either MADI or proprietary, with capacity of over 1.000 channels per fiber. The system can also be combined with IP multi-channel I/O boards for AoIP networking connectivity thus becoming AEQ's most powerful routing system.



AUDIO PLAY-OUT AND EDITING. Radio automation system.

AEQ AudioPlus is based upon our long experience in automation systems. Includes all the necessary tools for Play-out, editing and automatic programming taking into account the requests from our customers that have been asking for a product to equip their radio studios. While the product offers new and very advanced features adapted to real needs, this product is meeting the budgets and technical infrastructures of most stations.

Quite probably, the AudioPlus is one of the most complete automation systems existing. It incorporates the most extensive set of security parameters to avoid unexpected interruptions of the broadcasted programme.

A new generation audio editor allows for the mixing and adjusting of audio files in a way that is only available with the most expensive and renowned editing systems.



SONATA. 4-band digital audio processor with stereo generator.

AEQ enters the market of broadcast audio processing with SONATA, a high-end, 4 band digital audio processor. This equipment was developed with cutting edge technology, hardware and algorithms, resulting in a processor with features and levels of performance only matched by the best devices in the world.

SONATA provides for 20 factory presets to select your station's sonic signature in an easy and straightforward way and another 20 user presets allowing the configuration of customized settings. An automatic preset time switch is also available. This allows automating the changing of the stations signature sound following the different programs and styles scheduled. A must for any FM, AM or Internet station.



SYSTEMS FOR LARGE BROADCAST EVENTS.

For over 20 years AEQ has been the reference for the equipment supply and services at the worlds largest sport events. The majority of such events are providing unilateral commentary services. AEQ's Commentary Systems have been developed according to the most demanding requirements for reliability and durability. Our experience and the development of new equipment and technologies in relation with this type of events is constantly being transferred to all our customers through our standard product line. Among our references you will find both Summer and Winter Olympics, Athletics World and Continental championships, Continental multi-sport games, World, Continental and Sub-21 Football championships, Basketball, Handball, Ice Hockey, Skiing, Cycling, Swimming, Formula 1 GP. Systems have also been delivered for Mobile units belonging to large broadcasters and also fixed installations in Sporting Arenas.



TURN-KEY RADIO STATIONS, RECORDING STUDIOS OR TV PRODUCTION CENTERS.

The feedback between product developments, product testing and practical implementation in complex environments is vital when designing equipment with continually increasing requirements in regards to usefulness and reliability. At the same time, the support from our factory provides security and peace of mind to our customers who trust us with their projects.

We are regularly being trusted with the responsibility of designing, engineering, planning and execution of turnkey projects for broadcast studios, central controls, mobile units and radio automation systems, etc.



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