



# PRODUCT CATALOGUE

**Audio and communications for broadcasters**



## 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.



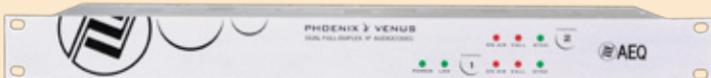
### PHOENIX MERCURY. IP AudioCodec.

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 audiocodecs. 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 audiocodecs 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.



## 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 includes 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.

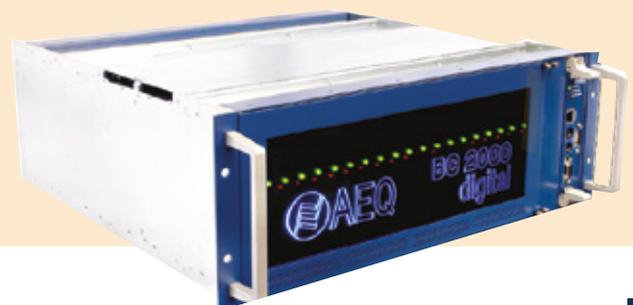
This product provides IP multi-channel connectivity for already existing analogue or digital installations. The NetBox becomes paramount when seeking to integrate already existing, remote or local, analogue or digital Mixers and Routers, into an Audio over IP network. NetBox comes with 8 and 32 I/Os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



## INTERNATIONAL SALES

Margarita Salas, 24 · 28919 · Leganés · Madrid · Spain  
Phone: +34 91 686 13 00 · Fax: +34 91 686 44 92  
e-mail: [aeqsales@aeq.es](mailto:aeqsales@aeq.es) · website: [www.aeq.es](http://www.aeq.es)

## AEQ USA

Phone: +1 954-581-7999 · Toll Free: 1-800-728-0536 (US only)  
Fax: +1 954-581-7733  
e-mail: [sales@aeqbroadcast.com](mailto:sales@aeqbroadcast.com) website: [www.aeqbroadcast.com](http://www.aeqbroadcast.com)