



NEWSLETTER

SPRING 2010

A.R.F.C.® All Radio Frequency Communications

PhoneBox - Field Reporter Unit



- 2 Microphone Inputs with AGC
- Internal Phone Module
- Compatible with GSM, 3G/NextG



elan
audio



The Elan Audio Phonebox is designed as a practical broadcast tool allowing a field reporter to conduct Live Interviews and basic Outside Broadcasts in the field, using it's internal phone module as the link between Reporter and Studio. The new updated version of the Phonebox Field Reporter Unit features an internal Phone Module so it does not require an external mobile phone. This alleviates interface problems between the various makes of mobile phones.

The Phonebox is compatible with GSM and 3G/NEXTG Networks and only requires an active SIM card to be up and running. The easy to read LCD Display and Comprehensive Menu System make the PhoneBox extremely easy to use, even for non-technical staff. Inputs are 2 Microphone and 1 Line level all with AGC. There is also a Line output as well as 2 headphone outputs with volume control



We would like to announce a merger between ARFC and EBA Technologies. The 2 companies have been working closely together over the last 5 years. The decision has been made to join forces and create a truly one stop shop for broadcasting..... Geoff Cairns (Manager of EBA) will be joining ARFC and bringing with him the EBA agencies such as Inovonics, Axel Technology, Henry Engineering and Deva Broadcast as well as the Audio Products Group range of AKG, Denon and Marantz.....

Elan Audio AAL-03

Programmable On Air Light



The new AAL-03 On Air Light features a 10 word user programmable memory. A word of up to 6 characters or sequences of words can be displayed in various states and speeds. Features: 10 word memory, 6 character LED display, Steady or flashing display, Adjustable flash speed and Adjustable word transition speed

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AXEL
TECHNOLOGY

Falcon FIVE Series

5 band broadcast audio processors



The Falcon five and Falcon five Elite are the latest additions to Axel Technology's range of broadcast audio processors. The Falcon five range replaces the hugely popular Falcon 35 series. The new processors offer more features and flexibility, while keeping the Falcon's easy to use functionality and reliability.

At the heart of the processors is a powerful DSP engine that includes a 5 band audio processor, stereo enhancer, super-bass enhancer and a built-in stereo generator. Using a precise AGC, the Falcon Five always maintains the correct audio level, avoiding over modulation and audio bouncing between different programs. The internal MPX generator avoids any complications with the use of external stereo coders, ensuring high performance in an all in one solution.

If it's for a webcast, satellite or DVB transmission, from the Medium Wave to Digital Radio, the Falcon Five processors are suitable for a single transmission site or can be used as a multi-site advanced network management system.

MatchBox II - USB to XLR bidirectional multi-mode stereo codec



Front



Back

- Easy plug and play with USB connectivity
- Headphone monitor output
- Balanced stereo I/Os on XLR
- AES / EBU digital audio output on XLR

The USB MatchBox II is a professional USB to XLR multi-mode stereo audio codec. It provides unparalleled audio performance with the ease of USB connectivity. The USB MatchBox II is ideal wherever computer audio needs to interface with a professional analogue or digital audio system. The USB MatchBox II provides balanced analogue inputs and outputs, an AES / EBU digital output, plus a headphone output for monitoring. The USB MatchBox II solves the problems caused by using common sound cards in a broadcast or professional audio environment.

Henry Engineering's USB MatchBox II has been designed as a true professional product that solves all these problems. It delivers impeccable audio quality, XLR connectivity and the convenience of a simple USB connection to the computer. The USB MatchBox II's built-in AC power supply allows operation at true professional levels with liberal headroom. MS Windows, Mac and Linux are supported and no special driver software is needed.



RVR Electronica have just released the newest addition to their "TEX" range of FM band transmitters, the TEX502LCD. This is an all-in-one, complete, 500 watt FM transmitter that offers all the features of the previous 500 watt model, but is now housed in a light and compact 2RU stainless steel chassis (Previously 3RU). The new TEX502LCD continues with the tradition of the RVR TEX range and offers uncompromised transmission quality, user friendly design and easy maintenance all at a very competitive price.

The TEX502LCD uses the latest in Surface Mount Design (SMD) technology to enhance transmission reliability while the Automatic Power Control (APC) and Foldback protection ensure reliable operation under any operating conditions.

The built-in, high performance, stereo coder comes as standard with the TEX502LCD giving the transmitter inputs for L&R analogue audio, Mono audio and MPX composite as well as auxiliary inputs for SCA and RDS signals. A built-in RDS encoder with standard basic functions is also available as an option.

The RVR TEX range also includes complete 30, 50 100, 150 and 300 watt FM band transmitters housed in a single 2RU chassis. Output power of up to 2,000 watts is also available in a single chassis transmitter..... For more information on any of the RVR range please contact our office

Band Scanner GPS



The band Scanner GPS FM Spectrum analyser with GPS logging is now available for immediate dispatch.

If you would like to organise a trial please contact our office.

Antenna System Design, Supply and Installation

ARFC offers a complete broadcast antenna system design, supply and installation service . We source antennas, cables and connectors from various suppliers, such as Aldena, Polar, RVR and Valcom... which gives ARFC a huge range of solutions enabling us to find the products most suited to your requirements.

Using the latest antenna system design software from Aldena, ARFC also offers a complete radiation pattern design service for both FM and TV transmission. Using the software in conjunction with the wide range of antennas available we can meet even the most complex licence requirements.



Inovonics 261 - All digital FM processor



- Wideband high frequency limiting
- Dynamic compression with Automatic Gain Control (AGC).
- Both Analogue and Digital inputs and outputs on XLR
- Front panel “lock-out” switch located on rear of unit

Now with Rev. 2 firmware, the 261 ‘Utility’ Processor becomes an all-inclusive system for general audio normalization and FM-airchain use. It combines the functions of gated, gain-riding AGC, dynamic range compression and independent broadband and high-frequency program peak limiting. Processing functions may be selected separately or combined for comprehensive program audio control. Menu-driven DSP architecture ensures easy setup and unobtrusive operation. The 261 has AES-digital and L/R analog inputs; digital and analog outputs are available simultaneously.

The 261 operates entirely within the digital domain and utilises Digital Signal Processing (DSP) circuit architecture for stable and transparent operation. The AGC, compression and peak-control functions are normally used together to afford a comprehensive audio leveling system, but any of the three processing tasks may be enabled or defeated from the front panel menu.

PMD-661- Professional Field Recorder



- Digital recording at 44.1/48/96 kHz sampling frequency
- Uses stable, reliable SD or SDHC memory cards
- Two XLR inputs, mic / line switchable with +48V phantom power

Based on the innovative design of the hugely popular PMD-660, the rugged and robust Marantz PMD-661 incorporates a wide range of technical advances and convenient features that help it excel in virtually any application. Big enough to accommodate dual XLR microphone inputs and light enough for handheld use, the PMD-661 offers exceptional recording quality in literally any location.

From input to output, the PMD-661 offers full featured, professional hardware with 2 Mic / Line switchable XLR inputs for external microphones. There is also a SPDIF input to handle digital transfers. The XLR inputs can provide full 48V phantom power and quality onboard pre-amps assure exceptional performance. Finally a USB 2.0 port makes file transfers a breeze..... just connect the PMD-661 to any computer and drag and drop to your desktop