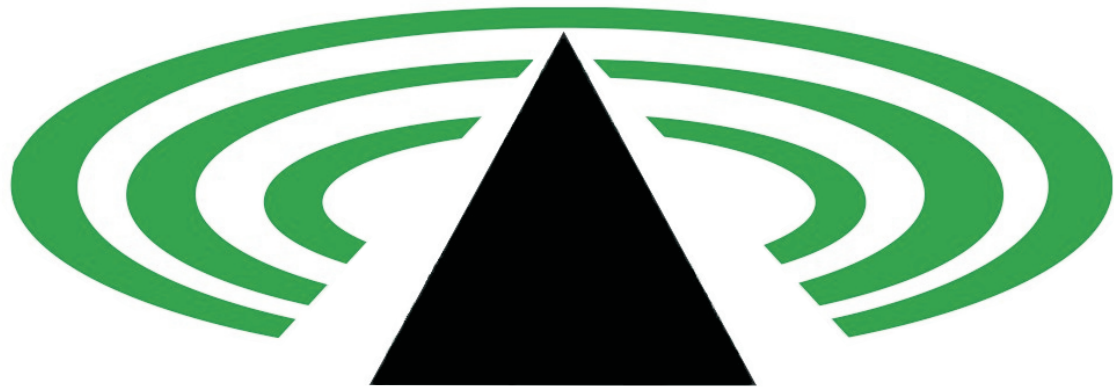


Newsletter May 2008



A.R.F.C.®

**All Radio Frequency Communication
RF Broadcast Engineers**

ABE's Exceptional Digital Range has now become even more Affordable!!

ABE is once again leading the revolution in the digital transmission world. With their innovative designs ABE are on the cutting edge of digital technology.

Listed in this newsletter is a overview of the equipment ABE has on offer:

- * Broadcast Antennas.
- * ENG camera link.
- * MPEG Encoders
- * Digital Transmitters
- * Digital Microwave Links



ABE ENG Camera Link.

Transmitter: Composite Video i/p(SDI option) left and right audio i/p. Available in 2 power ratings, 100 and 400 mW. A 5 watt version is being developed.



Frequency agile, 2.5 - 2.7 GHz

Receiver has OSD(on screen display), composite video output, SDI output option, left and right audio output.



Optional 7dB gain Tx antenna and 15dB gain Rx antennas.

Contact: P 02 4393 2977 F 02 4393 3726 E sales@arfc.com.au



ADVANCED
BROADCASTING
ELECTRONICS



ABE offer:

Band III VHF Digital TV Transmitters:
Range; 0.5 watt - 2500 watts

UHF Digital TV Transmitters:
Range; 0.5 watt - 4000 watts

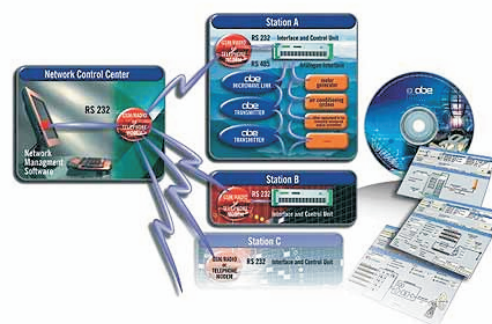
Dual Cast (Analogue + Digital) TV Transmitter - Transposer
Band III, VHF- Range; 5watts(A)/1 watt(D) - 1000 watts(A)/250 w
UHF - Range; 2 watts(A)/0.5 watt(D) - 1000 watts(A)/250 watts(D)

MPEG 2 Encoder + Multiplexor + Modulator.
16 QAM, QSPK, 8PSK and OFDM modulation types with 1 to 4 real time
mpeg2 audio/video encoders. For microwave links, satellite uplinks and
digital terrestrial transmitters.

Agile digital microwave links in the 2, 3, 7 10 and 14GHz bands.

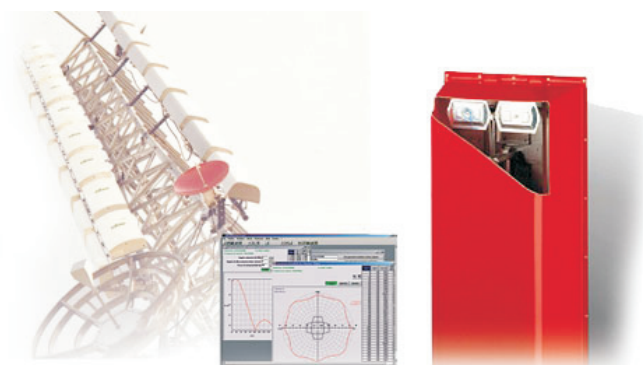
NM Network Manager is an advanced remote control system, suitable for
single equipment, complete stations or entire networks with hundreds of sites.
WEB interfaces available on some digital equipment now, remainder by the
end of 2008.

ABE announced at the 2008 NAB Conference that advances in design have
seen a reduction in overall height of their equipment. This improvement has
led to a pricing reduction which brings the cost of equipment into an even
more affordable bracket.



For enquiries on the entire range of
ABE equipment please contact
ARFC.

Information shown in this newsletter is a sample of each product line
offered by ABE.



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QUICK AND COST-EFFECTIVE

ALERT FM is a cost-effective and efficient alert and messaging system, capable of reaching thousands of people with a single message in mere seconds.

IN AN EMERGENCY SITUATION:

Officials control message content and are able to send messages before, during, and after the emergency, area wide or to specific addressable receivers

FM RADIO NETWORK

ALERT FM messages are delivered to existing FM radio transmitters, then to multiple receiving devices. Overlapping signals from different FM radio stations help to ensure that there is always a signal that can be received even when other communications systems are disrupted.

GEOGRAPHIC OR ORGANIZATIONAL TARGETING

ALERT FM messages can target geographic areas like post codes, towns, or an entire state. Messages can be sent to entire organisations or specified organisational groups.

ANY DEVICE. ANYWHERE

This alert and messaging system sends mass or targeted messages to ALERT FM receivers or any device equipped with a compatible FM receiver chip, such as cell phones, iPods, or clocks- truly making alert messaging accessible to everyone.



Alert FM Desk Top Receiver.



Alert FM Wall Mounted Receiver.



Alert FM USB Receiver port

The function of Alert FM could be extended to sponsors of radio stations who are offering discounts or events information to be broadcast to their employees and patrons. The ALERT FM receivers are an affordable item and once these are in place, sending messages on behalf of your sponsors would provide another revenue stream for your station.

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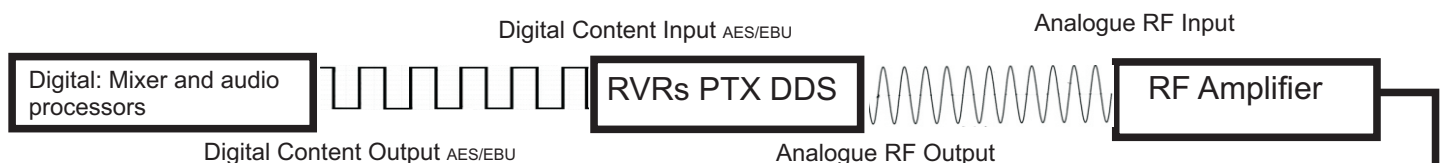


Digital ready transmitters!!!!



RVRs PTX DDS(Direct Digital Synthesis) Exciter/Transmitter

RVRs PTX DDS range of exciter/transmitters range from 30 to 150 watts. Radio stations are able to migrate seamlessly to the next generation of radio transmission. The high quality analogue RF output of this professional digital range integrates with your existing equipment.



RVRs range of analogue exciter/transmitters are still the mainstay of the broadcast industry.

There is a shift towards digital desks and audio codecs to lessen the noise effects experienced in analogue systems.

The PTX DDS is another step towards a full digital signal implementation in the transmission system.



Digital Radio Express Inc's "FMeXtra™"



The FMeXtra™ X1 Encoder from Digital Radio Express Inc. combines an industrial grade 2RU high rack mount PC server with professional digital audio hardware from Lynx Studio Technologies and DRE's innovative award-winning FMeXtra hardware and software. This provides a complete multicasting digital radio broadcasting system. Simply connect your digital audio sources to the X1 Encoder via the built-in AES/EBU digital audio interface and connect the analog SCA output to the existing SCA input of your FM exciter, and you are on the air! System configuration is accomplished entirely by software control.

Receives any standard FM stereo broadcast.

- Receives FMeXtra™ Broadcasts on Stations Broadcasting FMeXtra™ programs
- Superior Digital Audio Quality

Digital Optical Output....

- Play digital sound via fiber-optic digital audio cable to your digital speaker amplifier; eliminates noise associated with normal speaker wiring
- USB Port....keeps your radio current as new features/benefits are introduced.

Download updates over internet.

- Satellite Speaker Accessory Available.
- Stereo Headphone Output
- Conditional Access...Select Radios Receive Private Programming.

Coming in future models:

- MPEG 4 Player....Play your own music library via SD Card



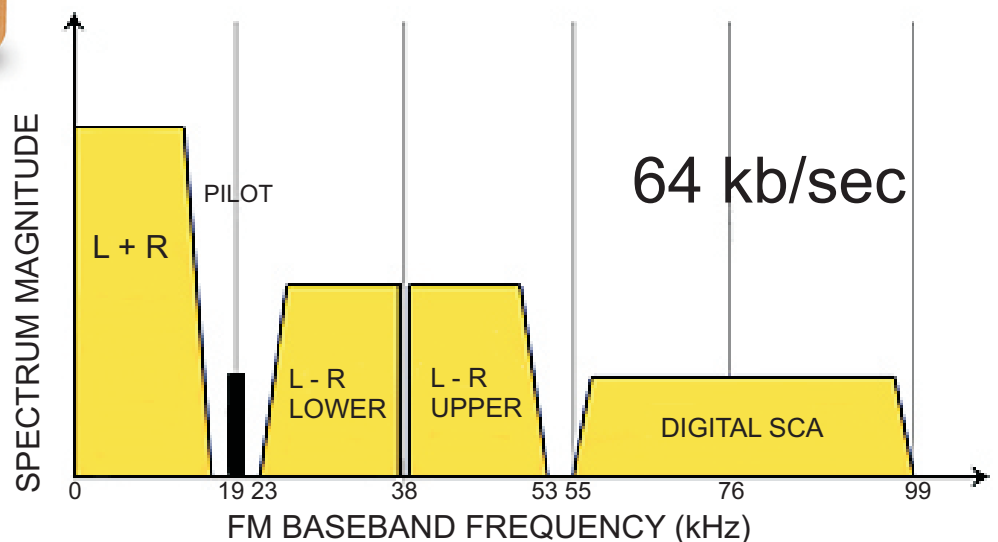
FMeXtra X1 Encoder



Optional Satellite Speaker



Aruba FMeXtra Radio



ARFC Represents:

ABE Elettronica	Television transmitting equipment
Aldena	TV and FM broadcast antennas
Carlson Wireless	Wireless connectivity of WAN/LAN networks
Coaxial Dynamics	Test loads and power measuring equipment
EBA Technologies	Audio Processors AM/FM modulation monitors, microphones, automation systems
ETL systems	Microwave IF distribution systems
Energy-Onix	Low Power AM Transmitters STL over Internet Audio over FM Sub Carrier
Factum	Nicam , DAB equipment
Global Security Systems	ALERT FM early warning messaging system
Greenstone USA	Transmitting tubes, vacuum capacitors and relays
Kintronic Labs	AM transmitting antenna coupling units
Messoft	GPS synchronisers, computer interface converters
M + H Power	UPS power supplies and power conditioning equipment
Ortea	Automatic main voltage regulator and surge protector
Polar Electronic	Antennas, cables, connectors and antenna hardware
RVR Elettronica	FM radio transmitting equipment
Staco Energy Products	Automatic voltage regulators for broadcast stations
Test & Measurement	Loads and RF Power Measuring Equipment
Valcom	AM transmitting antennas, Military antennas

FAST

easy safe

Different easyKeys to share one computer-
you just share the same computer without
sharing the sensitive data.



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