



ALL RADIO FREQUENCY COMMUNICATION

Newsletter Spring 2009

It's CBF GRANTS TIME AGAIN!!!

Closing dates are:

Transmission	11 September 2009
General Station Grants	4 September 2009
Indigenous Equipment Grants	28 September 2009
On Line Development Grants	12 October 2009

NEWS FLASH!!!!

Transmit digital radio from your own FM transmitter.

“FMExtra” Digital Radio currently on trial in Canberra, with ArtSound FM.



You don't have to wait until the Digital Rollout hits the country towns. You can transmit additional programs in a digital format now with the “FMExtra™” system connected to your own FM transmitter, with no effect on your existing programme.

For special interest groups such as ethnic broadcasters, for safety or emergency broadcasts, or for linking alternative programmes to translator sites, the X1 digital encoder and Aruba receiver provide superior digital radio quality.

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The special FMeXtra receiver receives any standard FM broadcast as well as FMeXtra broadcasts. The receivers are individually addressable, so the programme feeds can be targeted to groups or tailored to individual listeners.



In addition to your normal FM programme, the FMeXtra system from VuCast Media can carry either ;

- 4 only mono 15 kHz audio programmes or
- 2 only Stereo (left and right) 15 kHz programmes
- 1 only Stereo 15 kHz programme and 2 only mono 15 kHz programme.

The FMeXtra system utilises the RDS bandwidth that ALREADY EXISTS within your existing FM transmission. The FMeXtra system can co-exist with other RDS or SCA services, but the number of available FMeXtra channels will be reduced.

VuCast Media was formerly named Digital Radio Express. We recommend investigating the host of information on the internet regarding the FMeXtra system and how it compares with other digital radio systems such as the HD radio (IBOC) and DAB and DRM systems.

From RVR Elettronica - Water Cooled FM Transmitters



10 kW transmitter only 27 RU high.
(pictured)



The new water cooled RVR FM transmitters are ideal for situations where air forced cooling systems and costly air conditioning would be insufficient or potentially inefficient. Also useful where space is limited. Available from 5 kW to 30 kW output power.

The **BARRACUDA** range of transmitters are cooled with a non toxic, non corrosive liquid that is added during manufacture of the transmitter.

The cooling system uses a double pump , with switching and automatic diagnostics. The pumps are automatically cycled to avoid problems with long periods of inactivity.

Energy consumption is drastically reduced compared with forced air ventilation.



AND



Since 1992 , ARFC has been distributing and providing a service centre for RVR products in Australia. The combination of RVR 's reliable products coupled with ARFC 's engineering expertise and quality of service has made ARFC a major service provider of engineering solutions and equipment supplier for Community Radio in Australia.

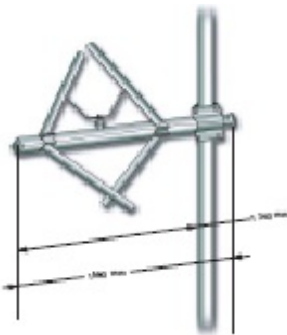


RVR TEX series excitors
30 watts to 2000 watts

RVR PJ series power amplifiers
300 watts to 4000 watts air cooled
5000 watts water cooled



RVR 850 MHz STL radio links
Transmitter and Receiver
Stereo, mono or MPX operation



FM Transmitting Antennas
FM Combiners , Power Dividers
Bandpass Filters



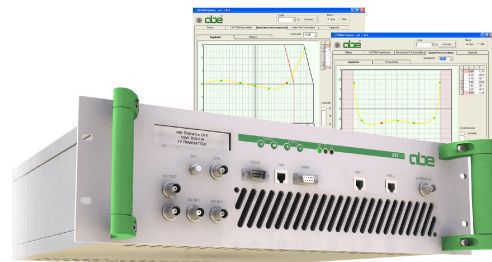


Aldena Antenna Systems and Software

ARFC would be pleased to assist with your broadcast antenna system design, using professional Aldena design software .



ABE Digital COFDM TV Transmitters, Regenerative Transposers, Transmodulators, Gap Fillers featuring High MER. High Performance Digital Modulators



Streaming Audio over IP
STL links , OB Links



Reliably distribute programme audio over IP networks
Variable bit rate from 32 to 192 Kb/sec MP2 or MP3
Stereo, Joint Stereo or Mono.
Balanced audio connections available as an option.
Frequency Response 20 - 20,000 Hz
Supports UDP protocol.
Power Supply included.



For more information on these products, and any other related products and services please contact us by ;

fax 02-43933726 , phone 02-43932977 or email sales@arfc.com.au

