WELCOME TO BW BROADCAST  We’ve been supplying and supporting broadcasting equipment to radio stations worldwide for over 15 years. Our customers range from the major networks in New York to a small community station in South Sudan. Whatever your situation your needs are the same high performing reliable products that are easy to use and fairly priced. At BW Broadcast we create all our products with those principles in mind.

PERFORMANCE  “A high power transmitter at our site was interfering with our translator. I installed your receiver and within minutes it was picking up the signal, and we were loud & clean. I am overwhelmed with how good the translator sounds.”  Bill Stevens, Engineer, USA

RELIABILITY  “Our TX1000 V2 hasn’t blinked in over a year.”  Chief Radio Engineer, USA

VALUE  “It sounds like a million dollars. The integrated processing makes us sound like the big boys. Being able to access the V2 with my iPhone makes it easy to be in constant contact with the transmitter. Hands down the best transmitter you can get for the price!”  Hal Abrams, W7.3 The Rock KBF

EASE OF USE  “Really like the BW Broadcast V2 exciter. Easy menu adjustment of frequency and power. Quick bootup, smooth power adjustment using one knob, and easy to read front panel LCD. Nice job!”  Chief Radio Engineer, USA

FM TRANSMITTERS  ‘Award Winning’ transmitters from 5w - 2.5kW

FM TRANSLATORS  300w + 600w ‘single-box’ FM Translator

FM AMPLIFIERS  Boost your signal with power amplifiers from 300w - 2.5kw

RDS ENCODERS  Improve your station’s image and generate revenue

RE-BROADCAST RECEIVERS  Pulls in distant signals and re-broadcasts with amazing clarity

AUDIO PROCESSORS  Create sound that others envy without spending big bucks!

AUDIO LEVELERS  Tame uncontrolled audio without sounding processed!

SILENCE DETECTOR  Never worry about “dead-air” again

MODULATION MONITOR  Analyse both FM and baseband signals - all in one box!

MPX CODEC  Stereo encoding /decoding with metering & analysis

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‘Award Winning’
FM Transmitters from 5w - 2.5kW

We really love your transmitters. We think they are the best on the market.
Chief Radio Engineer, USA

A Remote Control App that keeps you so well informed an issue will never become a problem.

Our customers are loving this new app, it means that once they’ve installed their equipment they really can sit back and relax. Knowing your equipment will tell YOU if it needs your attention gives you the freedom to get on with your job without worry. Should it detect an issue with your transmission it will instantly alert you, then allow you to make the vital changes needed. There’s no software to install and you can connect using any device. Whether you have 1 or 100 transmitters to monitor, this app makes the job a whole lot less stressful.

Sound great, right out of the box.
One of the industry’s cleanest exciters and ultra-low distortion modulator combine with 4-band audio processing and 15 presets built-in. No one would guess you’re not running a ‘top-end’ processor!

If a lightning strike or power surge takes out your transmitter’s power supply you no longer need to remove it from the rack and spend hours disassembling it. You can simply slide in a replacement power supply in seconds.

Change parts in minutes and be back on the air!

Avert disaster before it happens!

Try it for yourself: www.bwb.fm/v2demo
Sound amazing right out of the box.

The world of radio has never been so competitive. When potential listeners are scanning the dial your station really needs to stand out to have any chance of winning them over. Don’t waste money on a separate audio processor - our transmitters’ amazing built-in audio processing sounds better than many stand-alone units and it doesn’t cost you an extra penny!

Trouble-free operation even in the harshest environments.

With an innovative cooling design and 120°F 10-year life fans, our transmitter runs Super Cool. VSWR/Temperature and Antenna Monitoring protect vital parts, and keep you on air until the problem can be resolved. Gold-clamp Technology and Slide-in Power Supplies make changing parts a breeze. Transistors can be changed in minutes, using just a screwdriver, while power supplies simply slide-in at the back, taking seconds to replace! The ‘Hotswap’ feature allows PSUs to be changed without powering down the transmitter - keeping you on air!

Everything comes as standard.

We provide competitively priced products with ALL features as standard (no pricey optional extras). We offer FREE software upgrades, so our customers can benefit from new features as we develop them. We pride ourselves on great ‘Customer Service’ and ‘Technical Support’ - which is available 24/7 - we’ll always be there if you need us! In addition, all our products come with a 2 year international warranty, giving you total peace of mind.

Compare V2 with the best of the rest!

<table>
<thead>
<tr>
<th>Features as standard*</th>
<th>BW Broadcast</th>
<th>Nautel V51</th>
<th>Ecresso/ Crown</th>
<th>Nicom NA 1005</th>
<th>Elenos Indium ETG 1000.10</th>
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</table>

*Correct at time of press.
A weak signal will lose you listeners.

Our Power Amplifiers (PA) integrate seamlessly into your existing broadcast chain to instantly boost signal strength & increase coverage area - helping you to reach more listeners.

Stable and efficient mosfet devices are kept super cool to create a reliable power amplifier - it won’t let you down! VSWR / Temp Control and Antenna Monitoring protect vital parts and keep you on air until the problem can be resolved.

Using our Windows App or standard terminal program you can monitor and make adjustments to your PA remotely. This vital feature helps you to stay informed and avert disaster before it happens.

Quick change transistors and slide-in power supplies mean on-site repairs have never been so quick or hassle-free! A 2 year International Warranty and our renowned 24/7 Technical Support give you the reassurance that you’ve made the right choice.

**Packed with features you’ll really use!**

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Output</th>
<th>Adjustable RF Power</th>
<th>Super Cool</th>
<th>VSWR / Temp Monitoring</th>
<th>Antenna Fault Protection</th>
<th>Simple Exciter Integration</th>
<th>Monitor / Control Remotely</th>
<th>2 Year Warranty</th>
<th>Quick Change PSU &amp; Transistors</th>
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</table>

V2 Power Amplifiers ensure your listeners receive you loud & clear!
An RDS Encoder will improve your station’s kudos.

All the big stations have it... but is it really essential?

When listeners are scanning the dial, they are more likely to stop at a station that is displaying RDS. They assume it is a larger, more established station and are encouraged to stop and listen.

This is also true for advertisers, their impression of your station’s professionalism will be a key factor in deciding whether to advertise with you. Remember, first impressions count and displaying RDS is an effective way to make a great first impression.

RDS also gives you the ability to generate revenue. Charging other companies to use your RDS facility to transmit traffic and other data means your RDS Encoder will pay for itself as soon as it’s installed.

No other piece of equipment will elevate your station’s image for such a small investment.

The world’s best re-broadcast receiver just got even better!

Improving on the RBRX1, voted the ‘world’s best’ FM re-broadcast receiver was not an easy task but RBRX Encore delivers FM stereo separation that will have listeners raving.

- 2 DSP tuners now offer full diversity reception from both antenna inputs
- The only truly analogue and digital re-broadcast receiver on the market offering HD, DAB & DAB+ upgrade options
- Increased RDS Encoder capabilities with more monitoring and decoding facilities if you wish to use it as an analyser or monitor
- Stream demodulated audio over IP so you can listen and make adjustments even when you’re out of the coverage zone
- Enhanced DSP audio limiter & stereo generator for even clearer sound quality
- Upgraded audio backup facilities - MP3 & AAC files can be stored on internal or external USB sticks

Pulls in distant signals and re-broadcasts them with amazing clarity.
To succeed your stations sound MUST STAND OUT from the crowd.

Create sound that others envy!

Optimised processing for AM, FM and HD - all in one box!

With its flexible hardware and firmware, you can select between optimised processing for FM, AM and digital radio, including internet radio streams, DAB and HD radio.

The multi-band AGC corrects and equalises a wide range of input audio levels, while the peak limiters ensure your broadcast has tightly controlled peak levels. A stereo encoder, and RDS encoder, and SHoutcast client and server for streaming in and out of the box, Plan-B audio backup switching and a sophisticated actions and triggers monitoring system complete the package.

- A tri-mode broadcast processor for FM, AM and digital radio - maximum flexibility at a great price
- Dozens of expertly created factory presets enable radio stations to sound great – right out of the box
- Experts can tweak hundreds of parameters as much as they desire
- Wide ranging RMS levelling pulls up low levels and tames hot signals effortlessly, ensuring a consistent sonic signature - no matter what audio you feed it
- Ariane RMS audio levelling (DSPXtra only)

We couldn’t be happier! EVERYONE noticed the improvement in our sound quality, and we are as loud as ever.

Peter Gower, Chief Engineer, USA

DSPXmini Encore | AM, FM + HD AUDIO PROCESSOR

DSPXtra Encore | AM, FM + HD AUDIO PROCESSOR
Plan B Encore | SILENCE MONITOR AND AUDIO BACK UP PLAYER

Never worry about ‘dead air’ again!

Things don’t always go to plan. Do you have a PLAN B to eliminate dead-air?

Dead air is one of the most feared disasters facing any radio station. Listeners will switch stations in a matter of seconds if you go quiet, and there’s no guarantee they’ll come back. Eliminating ‘dead air’ is a must for any serious broadcaster.

What sets Plan B Encore above other Silence Monitor and Back-up Audio Players is the vast number of alternative audio sources you can switch to:

- Internal flash memory
- External USB
- IP Stream
- Analog inputs
- MPX inputs
- AES / EBU inputs

- A cost effective, easy to install and use, silence detector and back-up audio player offers peace of mind and allows you to broadcast worry-free!
- Internal flash memory, external USB IP streams as well as audio inputs, provide ultimate flexibility to any radio engineer who needs to stay on the air.
- ‘Always on’ front panel high resolution LED meters offer full confidence metering of the various inputs and outputs.

Eliminating dead air is a must for any serious broadcaster.

ARIANE Encore | AUDIO LEVELLER

Tame uncontrolled audio without sounding processed.

Ariane RMS audio levelling keeps your audio loud, free from pumping, and with a touch of stereo enhancement if required. The award winning AGC will rock your audio.

- A unique dynamic release window gating system freezes gain control for 90% of the time, offering fast responding but impossible to ‘hear in operation’ audio control.
- Multi-mode operation provides flexibility, with the Sum and Difference mode offering controllable stereo enhancement, and multi-path reduction for FM radio stations.

Ariane RMS levelling.

Use it to improve the sound of your existing processor... protect an STL... or as a standalone streaming processor.

For most radio engineers, the Ariane needs no introduction. It pre-processes and brings less capable broadcast boxes to life. Or you can use it to protect an STL or as a standalone streaming processor.

The transparent sound is legendary, mainly for the sophisticated IDR window gating technology which effectively puts this processor into a state of frozen activity for 90% of operation. It reacts occasionally, quickly and then goes to sleep – it has to be heard to be believed!

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Eliminating dead air is a must for any serious broadcaster.
A single box capable of analysing both FM and baseband signals.

This ultimate modulation monitor will make monitoring your station a breeze!

There are modulation monitors... there are MPX decoders... there are metering devices... there are test sets... but never all in one package... until NOW!

• The ModMon encore combines the technology from our award winning receiver with our lab reference grade audio processing technology to bring you a single box capable of analysing both FM and baseband signals. If you are doing anything with an FM or MPX signal - this box is what you need.

• Monitor two FM frequencies and/or two MPX inputs simultaneously • with one button analysis comparison of you and your competition, or two audio processors.

• Always on’ front panel high resolution LED meters offer full confidence metering of the FM and composite signals, easily switchable between dual tuners and dual MPX inputs.

ModMon Encore | MODULATION MONITOR

The Swiss Army Knife of MPX Codecs

Reference grade composite stereo encoding and decoding with metering & analysis

There are stereo encoders... there are peak limiters... there are RDS encoders... there are decoders... there are metering devices... there are test sets - but never before in one package - until NOW!

The DSPmpX encore follows on from the original reference grade stereo encoder, the DSPmpX, by adding decoding capabilities, RDS generation and a completely hot as hell front panel that displays an analysis of what is going on. If you are doing anything with an MPX signal - this box is what you need.

• Monitor two FM frequencies and/or two MPX inputs simultaneously • with one button analysis comparison of you and your competition, or two audio processors.

• Always on’ front panel high resolution LED meters offer full confidence metering of the FM and composite signals, easily switchable between dual tuners and dual MPX inputs.

MPX encoding, RDS encoding, decoding, metering and analysis - ALL IN ONE BOX!

DSPmpX Encore | MPX CODEC
"You guys are amazing! I deal with a lot of service issues with many vendors and your support is second to none!"

Ken Philpot, Engineer, USA

100% peace of mind...with 24/7 Tech Support + 2yr Int’l Warranty.

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**Encore’s features at a glance**

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>DSPXmini Encore</th>
<th>DSPXtra Encore</th>
<th>Ariane Encore</th>
<th>DSPmpX Encore</th>
<th>Plan B Encore</th>
<th>RBRX Encore</th>
<th>RDS Encore</th>
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<td>Serial port (DB9)</td>
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<td>Alarm / event pins</td>
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<td>Trigger / action pins</td>
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<td>USB port</td>
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<td>RJ45/LAN</td>
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<td>Shoutcast</td>
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</table>

**Features at a glance:**

- Protection limiting
- Stereo encoder
- Stereo decoder
- RDS encoder
- PI code checking
- Multiband processor
- Ariane AGC
- FM use
- AM use
- Digital radio and streaming
- Plan B audio back up
- Actions & events
- On / off channel diversity
- MPX switch / blending
- LED block display
- 2nd OLED display
- Analogue inputs
- Analogue outputs
- Dual MPX inputs
- Dual MPX outputs
- AES EBU input
- AES EBU output
- MPX over AES
- Serial port (DB9)
- Alarm / event pins
- Trigger / action pins
- USB port
- RJ45/LAN
- Shoutcast
- User levels email alerts
- Shoutcast client
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