

C Series Transmitters

FM Analog Solid State Transmitters

Setting the Standard

The C Series Solid State FM transmitters from Broadcast Electronics have set the standard in analog transmission for audio quality, cost-efficiency and reliability.

Featuring redundant power amplifiers, C Series transmitters are guaranteed to keep you on the air when it matters most. In addition, increased efficiency, low maintenance and reduced operating costs place you a step ahead of the competition, allowing you to monetize your FM analog transmitter investment.

Designed with digital in mind, C Series transmitters will take you into the future, accommodating both current and future versions of HD Radio™ technology. The C Series provides a cost effective and convenient solution, ready for upgrade when you are.

Available in power levels from 500 W up to 5 kW, C Series Solid State FM transmitters represent just one of Broadcast Electronics' many solutions for all of your radio needs.

Key Features & Benefits

- Redundant front panel plug-in broadband power amplifiers can be easily swapped in the unlikely event of a failure
- Frequency agile, N+1 compatible so you can have an automatic back-up for any signal in the band
- Advanced transmitter controller provides exceptional front panel transmitter control capabilities and extensive metering of individual modules
- True proportional (VSWR) foldback keeps your transmitter on the air even in the worst conditions
- Integrated automatic power control system maintains constant RF output power
- Conservative power rating
- Developed with a low noise super cooling system that significantly extends transistor life
- Optional accessories are available, including an automatic exciter switcher or digital stereo generator
- Multiple regulated power supplies for reliability and redundancy
- Available with optional FXi 60/250 digital exciter



Model FM 5C shown

Model	Description
FM 500C	500 W Solid State FM Transmitter
FM 1C1	1 kW Solid State FM Transmitter
FM 2C	2 kW Solid State FM Transmitter
FM 3C	3 kW Solid State FM Transmitter
FM 4C	4 kW Solid State FM Transmitter
FM 5C	5 kW Solid State FM Transmitter



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Solid State Analog FM Transmitters

Improving FM Profitability

Plans to go digital? We're ready when you are!

- Designed with digital in mind
- Accommodates both current and future versions of HD Radio
- Provides the flexibility of changing transmission between analog only mode and analog+HD mode
- Cost efficient HD upgrade path with addition of the XPi 10esp embedded exporter and plug-in Exgine module

Increased efficiency leads to lower operating costs!

- Full on air redundancy provides for low maintenance
- Less heat dissipation reduces cooling and ventilation costs
- Highly efficient cooling system with redundant fans extends transistor life

N+1 system configuration eliminates the need to purchase multiple backups!

- Linear broadband RF modules provide N+1 configuration for any mode of operation

On air maintenance protects your revenue stream!

- All power amplifiers operate independently, keeping you on air even with a failed module
- Redundant front panel plug-in broadband power amplifiers provide easy accessibility in the unlikely event of a failure
- Highly efficient, individual redundant power supplies control each amplifier
- Full RF module diagnostics provided without the need for additional access cards
- True proportional (VSWR) foldback keeps your transmitter on the air even in the worst conditions
- Minimum to no down time means you'll consistently maintain revenue generation

FM Digital Fidelity!

- Upgradable to Digital FXi 60/250 exciter for enhanced audio performance
- Digital on-channel RF frequency generation for superior RF and audio operation

Taking the next step is easy with Broadcast Electronics. Contact your sales representative today to discuss solutions that will work for you and your station(s). To contact your BE sales representative, simply visit our website at bdcast.com or call 217.224.9600 and learn more about what BE has to offer.

BE manufactures studio automation and complete RF systems for radio. Our products encompass AM, FM and HD Radio transmitters as well as studio systems for managing programming and interacting with mobile listeners. They are used daily in more than 10,000 installations in nearly 100 countries.

For over fifty years, BE pioneering developments have set industry standards for innovation and reliability, while providing broadcasters with new options for operational productivity and income generation.

BE is headquartered in Quincy, Illinois, and is represented worldwide by a network of local representatives.

