

Broadcast Electronics

# Tomorrow's Radio Today



If you are considering a Single Frequency Network, you know how critical time synchronization is. That's where the Broadcast Electronics SFN Adapter comes in. The unit is connected between the STL receiver and the FM modulator and generates a 10MHz reference signal used for the FM modulator, no GPS frequency reference is needed. The FM SFN Adapter synchronizes one or more FM repeaters operating over the same area and using the same frequency and content.

## Key Features & Benefits

- Installation and setup is very quick: the unit is connected between the STL receiver and the FM modulator and generates a 10MHz reference signal used for the FM modulator, no GPS frequency reference is needed.
- The unit can be controlled remotely with an optional internal webserver which will also provide a 9600bps general purpose serial port that can be used for example, to control the connected transmitter.

# BE FM SFN

FM Single Frequency Network Adapter

## Specifications

**Input impedance:** 10Kohm

**Nominal input level:** 775mV RMS - 2.2 V peak to peak

**Pass-through gain:** 0dB

**Bandwidth:** 1Hz - 75KHz

**Bandwidth flatness:** +/- 0.1dB

**Adjustable delay:** 1390uS + 4995uS / - 1245uS

**MPX phase control:** +/- 180°

**Reference frequency output:** 10MHz/2500Hz (internally selectable)

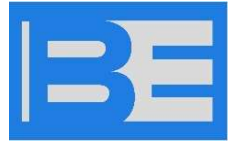
**Operating temperature:** 0° to +50°C

**Power supply:** 100-240VAC 50/60Hz. 5W.

**Size and weight:** 1RU x 19" 1.73H x 19W x 6.15D in. 4.4lb unpacked, 7.2lb packed.

# BE FM SFN

## FM Single Frequency Network Adapter



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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 [www.bdcast.com](http://www.bdcast.com) or call (217) 224-9600 and learn more about what BE has to offer.

BE manufactures complete RF systems for radio and TV. Our products encompass program generation, audio and data management, interfacility transport and analog and digital (HD Radio and DRM transmission).

They are used daily in more than 40,000 installations in nearly 100 countries. For over sixty 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, USA, and is represented worldwide by a network of local representatives.

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