



ASi 10

AM HD Radio Signal Generator

When it comes to HD Radio for AM, you really have only two choices. And BE's ASi 10 is both of them. There is no reason AM should be left behind in the industry's transition to HD Radio™. And when you make the transition, your first choice is an advanced BE AM transmitter with our ASi 10 signal generator.

A complete solution that generates AM and HD Radio simultaneously, the ASi 10 takes advantage of the latest in HD Radio technology and the advanced capability of the BE solid state AM transmitters to provide the most efficient implementation available.

The ASi 10 accepts an AES/EBU signal from the studio and splits it into the digital and analog paths. The signal is then sent to separate processors before being returned to the ASi 10 where the timing of the analog and digital are synchronized and the digital signal encoded. Then the two signals are combined and the phase and amplitude information is sent directly to a BE solid state AM transmitter.

All controls on the ASi 10 are available via the full color VGA touch screen monitor on the front of the unit. This allows full time monitoring and easy access to all operating parameters.

Own a late-model transmitter from another manufacturer? You may not need to settle for less—odds are that the ASi 10 can be integrated with your current rig. The ASi 10 is further proof that Broadcast Electronics is the leader in technically-advanced, cost-effective AM systems.

KEY PRODUCT FEATURES

- AM HD Radio signal generator provides phase and magnitude directly to the BE solid state transmitter
- Provides complete AM solution and generates HD Radio and AM simultaneously
- Internal GPS for synchronization
- Time aligns AM and HD Radio signals for blending
- Receives audio via AES digital format
- 640 x 480 touch screen interface
- 5 RU 19" EIA rack mount





FSi 10 FM HD Radio Signal Generator

The FSi 10 HD Radio™ signal generator from Broadcast Electronics brings HD Radio digital transmission into the real world.

This state-of-the-art product provides a low voltage data stream, LVDS, signal to the new FXi series exciter to be combined with the analog signal for use in either low level or high level combined FM systems. All system controls are available on the front panel with the use of a full VGA touch screen. The FSi 10 provides delay matching of the analog and HD Radio paths, and encoding of the HD Radio digital signal.

When used with the FXi series digital FM exciter, these two units provide an HD Radio-plus-FM output for use in low-level combined systems, or an HD Radio-only signal for use in high level combined implementations.

The advanced design concept of the FSi 10 allows stations with first-generation HD Radio architecture using the FSi 10 at their transmitter sites to easily and economically move to second-generation architecture. This transition facilitates integration of Secondary Program Services (SPS) such as Tomorrow Radio, Program Associated Data (PAD) and other station and third-party data streams. It also enables using a single-direction broadband studio-transmitter link (STL), having all processing at the studio and eliminating all PC-based equipment at your transmitter site. The result is a simpler and less expensive way to implement HD Radio, with greater reliability and more control over your content.

To accomplish the second-generation transition, an upgrade kit for the FSi 10 uses a simple plug-in board to convert it to an XPi 10 HD Radio Export and Coder which is placed at the studio site. The conversion kit also includes the requisite Exgine card that relocates some of the HD Radio signal generation functionality to the FXi exciter. This design foresight—eliminating rapid obsolescence of recently deployed equipment—is what has made Broadcast Electronics the industry leader in HD Radio technology.

KEY PRODUCT FEATURES

- FM HD Radio signal generator provides baseband HD Radio directly to the FXi 60/250 digital exciter
- Allows operation in either HD Radio only or HD Radio + FM modes when paired with the FXi 60/250
- Internal GPS for synchronization
- Time aligns FM and HD Radio signals for blending
- Receives audio via AES digital format
- 640 x 480 touch screen interface
- 5 RU 19" EIA rack mount
- Low cost, field-installed upgrade available to convert FSi 10 to XPi 10 HD Radio Exporter and Coder to take advantage of second-generation HD Radio architecture.

