

# Importer Plus

## HD Radio Importer



### Importer Plus Overview

The Nautel Importer Plus and the Exporter Plus are key components of an HD Radio multicasting deployment. The Importer Plus is an optional component of the HD Radio system that codes the secondary program services of an IBOC transmission. The secondary services can include digital channels two and three and or multiple data channels. The Exporter Plus is a required component in all HD Radio deployments. It codes the main program audio stream for digital broadcast and if an Importer Plus is deployed, the Exporter Plus also combines the digital version of the main audio stream with the secondary audio and data services from the Importer Plus.

### Importer Plus Quick Specs

- 1RU industrial computer
- Microsoft Windows™ operating system
- Reliable Solid state HDD
- Fast boot time: 20-30 seconds
- Dual core processor
- Local control via mouse/keyboard
- Remote control via LAN connection
- 2 front panel USB ports
- Supports 2 multichannel audio cards
- Supports HD Radio multicasting
- Manages PAD data display
- User configurable MPS, SPS bitstream
- Convenient user interface enables partitioning between main program service and advanced application services
- 19"W x 1.75"H x 17"D

One exciting use of the data channels is to broadcast program data for a richer and more valuable listener experience. When secondary audio is provided by an automation system that supports HD Radio PAD (program associated data), the Importer Plus will merge the PAD into the IBOC data stream allowing the delivery of information such as song title, artist name or advertiser messages to the listener's receiver.

The Nautel Importer Plus is implemented as a rack-mount Microsoft Windows™ based industrial computer. To achieve outstanding reliability and fast boot times the Nautel Importer Plus uses a solid-state hard drive instead of a traditional and less reliable hard disc and CD-ROM. The Importer Plus includes studio-quality audio cards that enable up to two secondary audio services and PAD to be broadcast along with main channel programming. A convenient user interface permits the selection of IBOC service modes and partitioning of IBOC signal bandwidth for a variety of audio and data services including multicasting.

**Nautel Limited**  
ISO9001 Registered  
10089 Peggy's Cove Road Hackett's Cove,  
Nova Scotia Canada B3Z 3J4

**Phone:** 1.902.823.2233  
**Fax:** 1.902.823.3183

