

# Technical White Paper Series

## Importer Installation

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### Introduction

The installation of this software actually comprises a set of three pieces of software. Two of these come from iBiquity and one is created by PSi. The Importer is this combination of software working together for the purpose of delivering audio and data to HD Radio systems, with a strong interface to NexGen systems. By itself, the Importer is capable of:

- ❖ Putting an HD Radio station's second audio stream on-air
- ❖ Delivering title and artist type information to HD Radios for both secondary AND main program audio

In this document, items in **bold** are the names of programs or executables. Items in *italics* are the names of text items appearing within a program or specific verbiage on a dialog.

### Installation



PSi's Importer requires the use of WDM drivers to capture glitch-free audio. It's important, therefore, to use WDM on any system on which the Importer software is loaded. If a system is both an Audio Server and an Importer and we are sending a database with it, the Audio Server will be configured with SB\_Play. For systems sent by Prophet that have no database, the client must know how to setup an Audio Server to use SB\_Play. Failure to use WDM drivers will result in immediate and perpetual audio skipping on the stations SPS channels.

The actual installation of software components comes in the form of three separate executables, run in a particular order. In different versions of the install package iBiquity may change the folder layout for the installer. For instance, this happened between version 1.1.1 and 1.1.2. The instructions below always pertain to the latest update from iBiquity. Follow these steps in this particular order:

1. Run the executable labeled **Importer1.1.2Install\ImporterSetup.exe**. There are no special options required, but a few Next/I Agree type clicks are required during the process.

2. Next, run the **Importer 1.1.2\Install\ImporterTools\Setup.exe** setup package. Again, this requires little in the way of user interaction, except for a couple of Next clicks.  
**Note:** Any machine not configured with IIS will receive a warning during installation. This is normal and the correct course of action is to select *Ignore* when this warning appears. This only affects a web based administration tool, which is not necessary for the use of this software.
3. Finally, run **Importer\_X\_X\_X\_X.exe**, where the X's represent our current version number. This is Prophet Systems' proprietary software. There are three options presented early in the installation process of which you should be aware. One is labeled: *Install default SPS config file*. You should only do this for a new installation. If this computer has the Importer already installed on it, please make sure this box is unchecked, as it may overwrite important information from a previous install. Another issue to be aware of is to un-check the option to *Launch Prophet Importer* on the last screen of the install.

## Configuration

Some configuration will be required after installation. It is not possible to fully configure an Importer at our factory since we will not have access to the Exporter, but it is possible to install the Importer using default settings to minimize the on site configuration required.

Since the main purpose of putting this computer on the air is to allow secondary audio (at least initially), the following steps are required so that the Importer recognizes the existence of a second audio channel.

Here's a quick overview: A service provider is created which can provide a service (in this case the station is its own service provider, and the service is a second audio stream). This activity is handled under the auspices of a contract. The contract is in fact, held by a service provider and it stipulates what kind of relationship this service provider has with the station.

In the case of secondary audio, it may seem redundant to have all of these pieces of information, but keep in mind that this system supports much more than a secondary audio stream and that in the future data may come from a variety of sources, not just the station itself.

Follow these steps:

1. Launch the **EOCResMgr**
2. Add a new *Service Provider*
3. Add a new *Service* and associate it with the new *Service Provider*
4. Add a new contract and associate it with the new *Service*
5. Edit the *EOC Configuration* near the bottom of the screen and select mode #2 (this should be *Active*, in the right hand column)
6. Press *Manage Selected Configuration* and select *Assign SPS Service*.

7. Select Next, and the *SPS Provider* you created above in the left hand list, and click *Add SPS Service* – you should receive a message box confirming what you just did.
8. Click *Finish*
9. Launch the **Importer** from within the folder of Prophet Systems' shortcuts (installed on the Desktop).

## Licensing

The Importer requires two types of licensing. Our portion of the software requires a hardware dongle, which should be included in the sales order. If the computer is also an audio server, it should already have a dongle.

The iBiquity portion of the software requires a software license. This requires you to open **Start Menu/All Programs/iBiquity Digital/Importer/Launch EOC License Manager**.

From here, select *Get Request Key* and mail this key to Jeff Detweiler at iBiquity (his contact information appears at the end of this document). He will provide you with a code to enter in the license key field. Press the Activate button.

The *Request Key* that you generate and send to Jeff is tied to the code. He'll return it and the two act as a pair.



If you:

- a) press the *Get Request Key* again, or
- b) close and reopen the license manager application you will get a different code than the first time and it **will not work** with the code you get back from iBiquity. It is important to keep this application open while waiting on the return code, and to leave the first *Request Key* in place.

In the future, this registration will take place on the web, or via an automated utility. iBiquity has estimated this to be implemented sometime in September 2005.

## Administration

For each copy of the Importer, there are several pieces of information that require documentation and reporting to iBiquity. Prophet Systems Innovations' Accounting Dept can provide you with the form that has all the necessary data to record for each Importer sold.

### Contact Information:

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