



NPR Labs Classical 24 PAD Service

Getting Started Guide

Introduction

The NPR Labs C24 PAD Service (referred to hereafter as the application, tool, program, or utility) is a tool to provide PAD/PSD information for C24's music channel. It is designed to use UDP and to be used with Importers running Version 2.0.1 and higher of the iBiquity Importer software. It can also be used on a main program service with Exporters running version 2.3.3 of iBiquity's Exporter software.

Prerequisites

To use the utility, you must have the following:

- The Java Runtime Environment Version 1.5 or higher installed
- Internet access with the ability to connect to publicradio.org on port 80
- Network access to the Importer for SPS or Exciter for MPS

Operation

The program can be run on the Importer itself or on a separate computer with network access to the Importer. To run it, double click on the PAD_C24_R2.jar file. You will be presented with the following screen:

C24 PAD Service v1.00

Importer IP: Pad Port:

Title/Slogan:

Title/Slogan 2:

Station Name: MPS

Number of minutes between IDs: SPS

Artist:

Song:

Album:

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In the Importer IP field, enter the IP address of the Importer (or Exporter if running C24 on your HD-1 channel.) If running the program on the Importer itself, use the IP 127.0.0.1. In Pad Port, enter the UDP port used by your MPS or SPS PAD. For MPS, this number will be 10000. For SPS, check the setting inside the iBiquity SPS Client's settings. 10010 is typical for an HD-2 channel.

The three boxes below the IP port are used for PAD Station IDs. Here, you can enter three lines of names/slogans that will appear on radios at a certain interval. The Station Name field is displayed in the PAD Artist field, the Title/Slogan field in the PAD Title field, and the Title/Slogan 2 field in the PAD Album field.

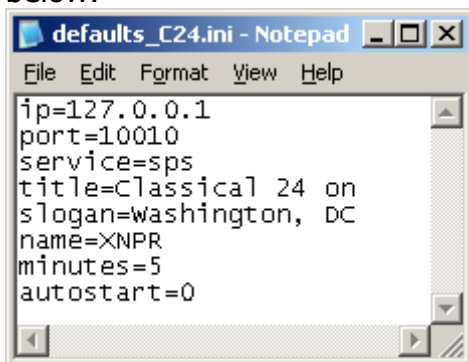
In the Number of minutes between IDs field, enter how often the ID should be displayed (integers only). IDs will be displayed for 15 seconds. Enter -1 to disable IDs or 0 to disable information from C24 and only display the ID.

In the two radio buttons to the right of number of minutes, select if you are displaying this information on the main program service (MPS) or a supplementary program service (SPS).

Once these settings are defined, click the Connect button. Assuming all the settings are correct and you have internet access to C24, PAD information should populate the Artist/Song/Album boxes, and PAD should show up on radios in 8 seconds for an MPS channel or about 30 seconds for a SPS channel. Do not close the program; doing so will stop C24 PAD.

Setting Defaults

To ease in restarting the software, a defaults.ini file is included. In this file, all the fields that exist in the program can be pre-configured here. See the example below:



```
ip=127.0.0.1
port=10010
service=sps
title=Classical 24 on
slogan=washington, DC
name=XNPR
minutes=5
autostart=0
```

The only setting in the ini that doesn't exist in the program's GUI is autostart. Setting autostart=1 will automatically "click" the connect button when the program starts. This way, you can define all of the fields used for your station, set autostart to 1, and add the C24 JAR file to your computer's startup folder in

the start menu. Then, after any system restart, PAD will automatically restart for C24.

If you have any questions about this tool, please contact Matt Burrough at mburrough@npr.org or 202.513.2463. NPR Labs does not guarantee a response to questions.