

Center Stage Live – Installation Overview

Center Stage Live is a “network” package that includes a variety of programs used by different departments running on different computers. As such, the installation is in two parts.

First, the “server” installation is run once to create a common directory or “**File Server**” where all of the programs and data will be stored. This installation does NOT add or run any applications on this computer.

Secondly, the “Client” installations are used to install the various modules on the appropriate computers. The client install will register the necessary files and create a shortcut pointing to the program in the file server directory created during the server installation. **Note: The user will require full rights to the File Server directory.**

The actual “RDS” processes are handled by the CSRDS client. This module sits between the Radio Automation System (RAS) and any combination of output devices including, RDS\RBDS encoders, HD Radio systems, web site, the stream, etc. Therefore, the computer running this module MUST be able to access the necessary outputs.

Where to Install the Center Stage Live CSRDS module for Metadata Processing

The Center Stage Live package is very compact and does not require a lot of computing power or disk space and can be installed on any windows computer. However, the CSRDS computer will need to run 24x7 and have access to the data from the Radio Automation System (RAS), the Center Stage Installation directory (Fileserver) and the various output devices. **While you may install and run CSRDS on an existing computer used for other applications, if the individuals using that computer log off or shut down the computer, the “RDS” data will no longer be processed**

System Requirements: Depending on the features used, the Center Stage Live File Server will require 50-100meg of disk space. There are no server applications as the “server” is simply a common data storage area. Workstations will need the appropriate network cards and access to the file server directory. Please note: peer to peer configurations may limit the number of concurrent users. If connection limit is exceeded the Center Stage installation directory should be located on a stations Local Area Network.

Output Considerations



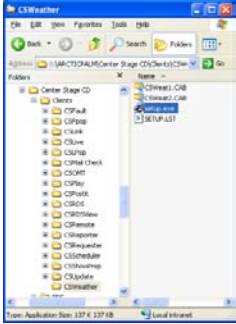
The following table summarizes the communications options used by CSRDS. Depending on the required inputs and outputs, we will need to ensure CSRDS can communicate with the necessary devices.

CSRDS Inputs		
Device	Description	Access Method
Automation System	Supplies CSRDS with now playing information	RS-232, TCP/IP, UDP, ASCII file (XML, CSV, ASC, etc)
Scheduled Content	The promotional and commercial messages scheduled using the CSScheduler Client	Read from the Center Stage Live Installation directory (File Server)
Web Downloads (CSWeather)	Local Weather forecast and/or Now Playing information for non-automation periods (Neilson BDS, Smart Jazz)	Internet Connection
CSRDS Outputs		
Device	Description	Access Method
RDS\RBDS Encoder	RDS\RBDS encoder (Radio Text, Dynamic PS, RT+, PTY)	RS-232, TCP/IP, UDP (Device dependant) When the encoder is off-site, we may use the Serial port on the STL or a DSL connection to the site.
HD Systems	HD Metadata	TCP/IP
Web Site	Now Playing and Playlist History based on template format for Web Site	FTP
Stream	Now playing based on template for Stream	TCP/IP, UDP, HTTP, HTTPS, URL Post
Audit and Log Files	Audit file, CSRDS logs, Now playing and Playlist for use in other applications	Center Stage Live Installation directory (File Server)

** Web Site, Stream and local files are user definable and can be customized using an ASCII text file as a template. Create the ASCII file inserting our “Merge” codes where the data is to be placed. Details can be found on the download page www.arcticpalm.com RDS Templates PDF.

Installation for Center Stage Live and CSRDS

The Center Stage Live installation process follows the Standard Microsoft installation procedures with on-line instructions. **You will need to be logged in as an Administrator to install the applications.**

<p>1. Download the Installation Set From:</p> <p>http://www.arcticpalm.com/downloads/centerstage.exe</p>	<p>When requested, select Save and download the install set to your computer.</p>
<p>2. Unpack the Installation Software</p> <p>Run the centerstage.exe downloaded in step 1</p>	<p>When requested, select Unzip to extract all of the installation software.</p>
<p>3. Run the Server installation</p> <p>Browse to the ARCTICPALM\Center Stage CD\Server directory and run the setup.exe in this directory.</p>	 <p>This setup is only run once to create the Center Stage File Server directory containing all of the Center Stage Live programs and files.</p>
<p>4. CSRDS Installation</p> <p>Once the server installation is completed, browse to the ARCTICPALM\Center Stage CD\Clients\CSRDS directory and run the setup.exe in this directory.</p> <p>This completes the Center Stage Live and RDS installations and you may now configure the RDS modules to start capturing now playing information and send it to the various "RDS" outputs.</p> <p>** On Vista and Windows 7 computers , click "Ignore" to the icon error. The shortcut will be in the Start Menu but will not be created on the desktop. If desired, copy or create a shortcut on the desktop.</p>	 <p>This will add the three RDS modules, CSRDS, CSScheduler to the workstation.</p>
<p>5. CSWeather Installation</p> <p>If desired, we can install and run the CSWeather module to download and format the local weather forecast for the RDS display. To install this module, browse to the ARCTICPALM\Center Stage CD\Clients\CSWeather directory and run the setup.exe in this directory.</p> <p>** On Vista and Windows 7 computers , click "Ignore" to the icon error. The shortcut will be in the Start Menu but will not be created on the desktop. If desired, copy or create a shortcut on the desktop.</p>	 <p>This will add the CSWeather module to the desktop and Station Menu. CSWeather will Monitor The National Weather Service in the US for current conditions, extended forecast and alerts. See the on-line help for adding the links for your location.</p>

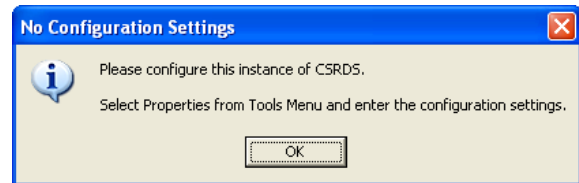
****Note: Center Stage Live is designed to run on all versions of Windows and includes some older drivers for earlier versions of windows. As such, you may see the warning about installing an older version of a driver. If so ALWAYS select KEEP to keep the existing version.**

CSRDS Configuration for RDS\RBDS Encoders

The following is a brief description of the basic configuration settings required to capture now playing information from your Radio Automation System, scheduled promotional messages and send them to your RDS\RBDS encoder. This example uses the most common settings. For more detailed configurations or for updating other devices, see the **CSRDS Configuration Guide.PDF** in the PDF directory of the CD.

1. Start CSRDS as a System Administrator

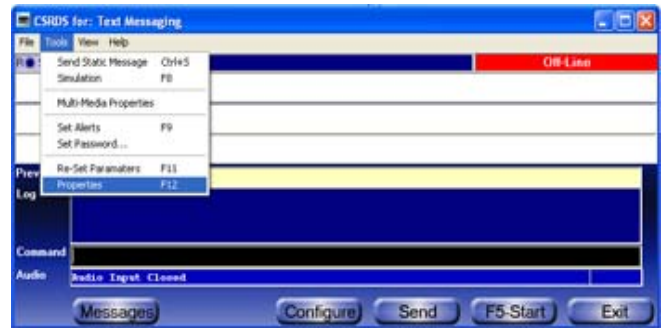
Double click the CSRDS icon to start the program. The first time CSRDS is run, you will receive the configuration warning.



Click OK to Continue

2. Open the Properties Window.

Select Tools → Properties to open the Properties window and configure this instance of CSRDS.

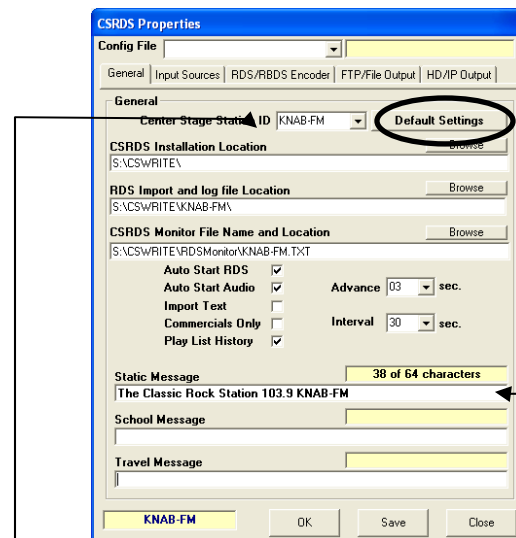


Select Tools->Properties

3. General Tab

Enter the Station's Call letters and Click **Default Settings** to set the basic configurations for this station.

Enter the station's slogan in the Dynamic PS Message area. This message will be used during commercial and talk segments if there are no scheduled promotional messages.



Enter the Call letters in the Center Stage Station ID
Enter the station slogan in the Dynamic PS Message area

4. Input Sources Tab

Use this tab to configure the communications to the automation system. The communications and settings will be determined by which Radio Automation System is in use.

Communications

RS-232

To use the Serial connection, select the com port and set the com port settings to match the setting in the automation system. These MUST match exactly.

Input From IP

If using an IP link to the automation system, enter the IP and port used by the automation system. Be sure the CSRDS computer can access the automation system network and the ports are open and not being blocked by firewalls, routers, port forwarding, etc.

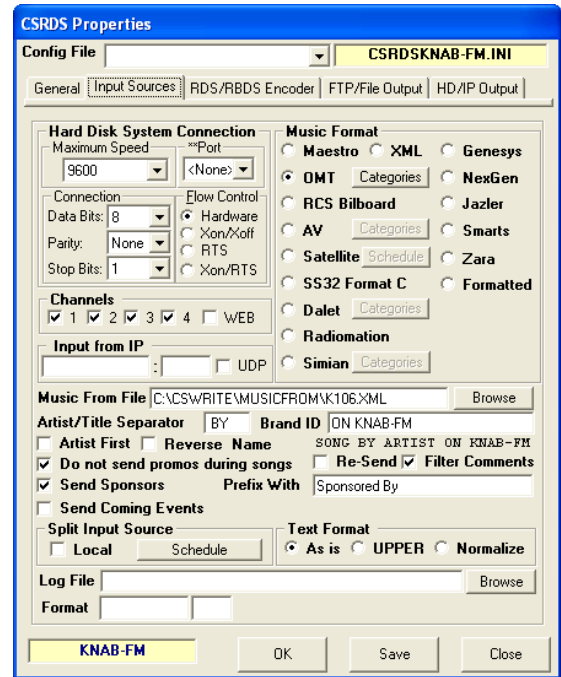
Music From File

To access the now playing information in a file created by the automation system, enter the full path and filename in the Music From File area or use the Browse command to find the file.

Common Settings

Check the **Do Not Send Promos During Songs** option.

Change the **Brand ID** to reflect the station's street name. (Hawk, The River, Eagle, etc)



5. RDS\RBDS Encoder Tab

Use this area to configure CSRDS for the Encoder

Communications

RS-232

To use the Serial connection, select the com port and set the com port settings to match the setting in the RDS\RBDS encoder. These MUST match exactly. Please check the pin outs for the encoder as different encoders may use straight through while others are cross over.

Input From IP

If using an IP link to the RDS\RBDS Encoder, enter the IP and port used by the automation system. Be sure the CSRDS computer can access the automation system network and the ports are open and not being blocked by firewalls, routers, port forwarding, etc.

Common Settings

PI – U.S. Stations, enter the call letters and click the PI command. Other countries, enter the HEX code for your station.

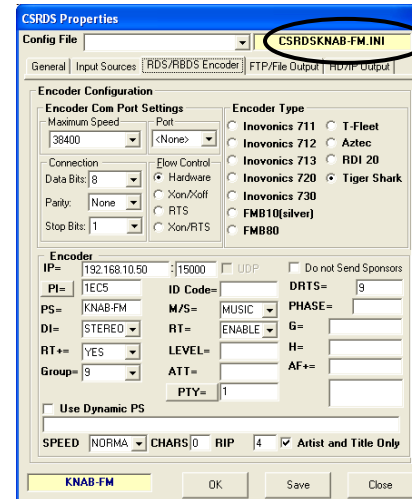
PTY – Enter the Program Type Code closest to the station's format. Use the PTY command to view the valid RDS Program Type Codes

Use Dynamic PS – Select this option to show the 64 character radio text message in the 8 character PS display. When used, you will need to confirm this setting.

***Note: For most encoders the DS, ID Code, M/S, RT, LEVEL, ATT, DRTS, Phase, G, H and AF+ settings are configured using the encoder's configuration module and are not required in CSRDS.**

6. Save the Configuration and Start CSRDS

Click the OK Command to save the configuration settings. Respond to any confirmation messages and Click F5-Start when the CSRDS Controller window appears.



Once the PS has been entered, the settings can be saved. The configuration settings will be saved as CSRDSxxxxx.INI where xxxxx is the PS and shown in the top right on the CSRDS properties.


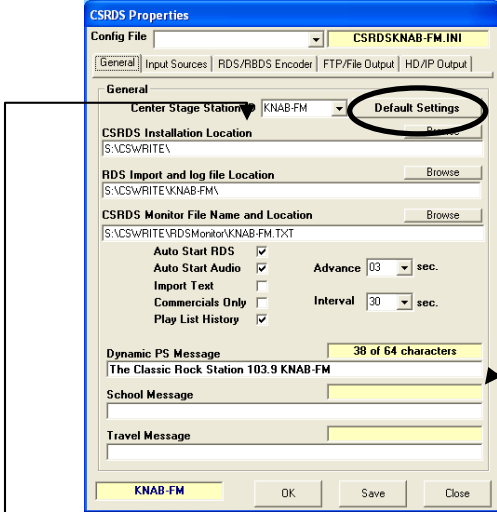
To run this instance of CSRDS, Right click the CSRDS icon and click Properties then add the PS to the Target.

E.g. C:\CenterStage\CSRDS.exe KNAB-FM.

The configuration file will be saved in the root of the C:\Windows directory and named based on the PS setting. EG: CSRDSKNAB-FM.INI. Multiple instances of CSRDS can be run by adding the PS to the Target in the CSRDS shortcut.

Multiple Stations

If desired, we can use a single computer to run multiple instances of CSRDS to send the now playing information for multiple stations.

<ol style="list-style-type: none"> 1. Manually create a shortcut on the desktop pointing to the CSRDS.EXE program in the File Server directory. (right click on the desktop and select New-Shortcut then browse to the CSRDS.exe program) 	
<ol style="list-style-type: none"> 2. Double click the new shortcut to start another instance of CSRDS and select Properties from the Tools Menu 	<p>When started this instance of CSRDS will use the same configuration settings as the original instance of CSRDS. When we open the Properties window CSRDS is stopped and ready for the changes.</p>
<ol style="list-style-type: none"> 3. Enter the call letters for the new station or select it from the dropdown list and click Default Settings. When requested, click Yes to create the new directories. <p>DO NOT click Save.</p>	 <p>Enter the Call letters in the Center Stage Station ID Enter the station slogan in the Dynamic PS Message area</p>
<ol style="list-style-type: none"> 4. Make the necessary configuration changes for the new station. 	<p>Once the PS has been entered in the RDS\RBDS Encoder tab, click Save to create the new configuration file.</p>
<ol style="list-style-type: none"> 5. Add the PS to the Shortcut and rename the shortcut to identify which shortcut is for which station. Right Click the Shortcut on the desktop and select Properties. <p>The PS will need to be added to each shortcut to ensure the shortcut uses the correct configuration settings.</p>	