



Users

Guide to

User Definable

Templates

Template Files

A template file is a pre-defined text file containing special CSRDS *merge codes* where the now playing or promotional information is to be placed. CSRDS reads the template file, merges the appropriate information and creates a new file or feed for each template. CSRDS supports up to three templates for any one instance. These are the Now Playing template, a Playlist History template and an “IP Output” template.

The Now Playing template contains the current song or promotional metadata normally sent via FTP to the station’s web site. The Play List History template contains the last “xxx” number of songs played which may also be sent via FTP to the station’s web-site. Like the Now Playing template, the IP template contains the current song or promotional message but may be sent via TCP/IP, UDP, HTTP or HTTPS to other systems, such as on-line streams. The Center Stage Live installation package includes two templates specifically for Stream-the-World (STW.TXT and STWCUE.TXT) and one for ANDO Media (ANDO.TXT). These can be found in the Center Stage Live installation directory.

In addition to sending these files to the web and/or on-line player, you may also choose to save a copy of the file for verification or for use in other systems or devices.

Now Playing/ IP Output Templates

These templates are used to capture and send the metadata for the current song or promotional message to the web site, on-line stream, etc. Since promotional messages are optional, we can have a situation where the last song stays on the display during commercial or talk segments. To overcome this situation, CSRDS has an “END CART” option that will send a special message when a song is completed. This will allow the developer to trigger on this message and either display the END CART message or a pre-defined static message until the next song appears. Of course, we can also configure CSRDS to send promotional messages during commercial and talk segments but it is up to the receiving system to decide what to do with these messages.

For Streams we can also configure CSRDS to send a promotional message between songs. When Selected, CSRDS will send a promotional 15 seconds before the end of the current song. If the next event is another song, the new artist and title information overlays the promotional messages. However, if the station goes into a commercial break or talk segment the promotional message is displayed and not the last song.

History

If desired, we can direct CSRDS to create a play list of the last number of songs played. The number of songs shown is determined by the CSRDS configuration setting. Regardless of the setting in the automation system, CSRDS will track the number of songs specified and send this information using the History Template. If CSRDS is configured to save the PlayList, we can use the History.htm template included in the install set to create and upload the html playlist directly to the web site ready to use.

Common Template Files

If you are developing routines for several stations and would like to ensure all sites are using the same template, you may save the template on your http site and direct CSRDS to download and use the common version. When directed, CSRDS will check the download site each hour for updates. When found, the file is downloaded and verified. If valid, it will replace the existing template. If it cannot be downloaded or it is invalid, the file will be ignored and CSRDS will continue to use the last valid template.

To direct CSRDS to use the common template, enter the Merge With Template file in the Send To tab as:

<http://www.yoursite.com/folder/filename.xml>.

Included Templates

The following templates are included in the installation set. These templates should not be modified as changes could be lost during a software update. If necessary, make a copy of the template and configure CSRDS to use the modified template.

CSRDS.XML

Normally used to send now playing information to the web site. This template includes all of the information that can be captured from the automation system. However, not all automation systems provide all of the information and even those that do may not have the information if it was not entered into the music library. If desired, you can use this template as base and change or remove any of the tags as desired.

Playlist.txt

This template is contains a special *****PLAYLIST***** command that sends the playlist in a fixed XML Format. (see samples for details)

Streaming Templates

While you can create your own template for other streaming services, devices or applications, several streaming templates are included in the installation set. New streaming templates are added as the service provides Arctic Palm with a format for their services. These Include:

Abacast	ABACAST.TXT
Ando	ANDO.TXT
iHeart Radio	iHeart_Flash_6214.txt and iHeart_Orban_Mobile_6211.txt
LeanStream	LEANSTREAM.TXT
Liquid Compass	LiquidCompass.txt
Sam Cast	SamCast.txt
SecureNet	SecureNet.txt
ShoutCast/Icecast	ShoutCast.txt
Stream On!	RDS.XML
Stream The World	STW.TXT and STWCUE.TXT
Surfernet	SurferNet.txt
Telos ProStream	Telos
TuneGenie	Tunegenie.txt

Web Service Templates

Commotion	Commmotion.txt
Tagstation/Next Radio	TagStation.txt
TuneIn	Tunein.txt

Histoty.htm

This template is used in conjunction with the PlayList history created by CSRDS. This template creates an HTML version of the playlist which can be uploaded to the web site ready to display. If desired, you may use this template as a base and add this code to a web page in your web page format with all of the necessary links. (See Sample History HTML)

Please note, to use this format, yo **MUST** select PLAYLIST in the General Tab of the CSRDS program.

While some of these templates are fixed for a specific feed, other can be used as a base for creating your own templates in any text format required. The STW, STWCUE and ANDO templates are in the formats required for these systems. If you are using another company it is just a matter of creating a text file in the format they require adding the CSRDS megercodes where the data needs to go.

Now Playing Merge Codes – *Not all codes are available in all versions of CSRDS*

STN	CSRDS will place the station's ID as defined in the PS field of the Encoder Tab
TYPE	The Type codes are as follows: <ul style="list-style-type: none"> • MUS – Music (song currently playing) • COM – Commercial (commercial currently playing) • PRO – Promotional message from other sources such as CSScheduler • DWN- Promotional Message downloaded from other sites via CSWeather • NXT – Promotional message about the next song to be played. • END – Special message sent to the web site when a song is completed and no other messages are being sent
STYPE	Single character version of Type code. S-Music, A-Commercial all other types will be P.
SONG	Use SONG for MUS, COMMERCIAL for COM and VOICETRACK for all other types
ATYPE	Use Song for Music, SPOT for Commercial and MSG for all other types
WTYPE	Use Music for songs, Spot for commercials and Other for all other types
TIME	Display date format as DDD HH:Mmampm
STWTIME	Time format used by Stream the World.
TSTAMP	Start time of song or when promotional message was sent. In ISO 8601 format as YYYY-MM-DDTHH:MM:SSTime zone. E.g. 2007-01-23T16:43:30-5:00
***TME(YYYYMMDDHHNNSS)	Use this code to format the date as required. Eg: YYYY-MM-DD HH:NN:SS 2009-02-27 15:32:03 YYYY or YY for year, MM, MMM or MMMM for month, MM=01-12, MMM(Jan) MMMM (March), DD,DDD or DDDD, DD = 01-31, DDD (Mon, Tue), DDDD (Monday), HH for hours, NN for minutes, SS for Seconds and AMPM for 12 hours clock
LENGTH	The length of the event as supplied by the automation system. Systems that do not supply a length we will default to 180 seconds. Promotional messages will use the interval defined in the General Tab of CSRDS. Eg 000180
LEN	Length of the event in seconds zero suppressed Eg 180
TK(####)	Multiplication factor for seconds for systems requiring 100ths or 1000ths. eg ***TK(1000)*** would send 180000 instead of 180 seconds.
IP	The IP as defined in the CSRDS HD/IP Output configuration for URL and Web postings
PORT	The Port as defined in the CSRDS HD/IP Output configuration for URL and Web Postings
USER	Login user name for URL Posting
PASS	Pasword for URL Posting
ENDAT	This is the end time of the event in ISO 8601 format as YYYY-MM-DDTHH:MM:SSTime zone. E.g. 2007-01-23T16:43:30-5:00
CART	The cart number supplied by the automation system. This will be blank for promotional messages.

ARTIST	Name of the artist performing the song. This field will be blank for all non-music entries.
ARTISTFIL	Name of the Artist for songs, or the Artist Cover, Dynamic PS or PS message to fill artist information for non-music events.
TITLE	The title of the song for music events and the promotional message for all other events.
ALBUM	The album as defined in the automation system feed.
GENRE	The Genre description as defined in the PTY code of the RDS\RDBS Encoder tab.
MUSICID	The music id or notes as defined in the automation system feed.
COMPOSER	The composer as defined in the automation system feed.
URL	The URL for the client as entered in a “cart triggered” event or scheduled promotion.
GRAPHIC	The client’s logo as entered in a “cart triggered” event or scheduled promotion.
MEDIA	The media file associated with the “cart triggered” event or scheduled promotion.
COVER	The URL to the Album Cover Art graphic file.
STNURL	The URL for the station’s web site.
UTC	Time based on Unix time format.
NXTARTIST	Name of the artist for the next song
NXTTITLE	Name of the next song
NXTALBUM	Name of album for the next song
PASSTHROUGH	This is the passthrough command that sends the information exactly as it is received from the automation system.
UPDATE	The time the message was created by CSRDS in ISO 8601 format.
COPY	The RDS message as posted to the RDS Encoder.
TAGID	Your Tag Station ID as provided by Tag Station
TAGPSWD	Your Tag Station password as provided by Tag Station
LTIME	Duration from automation system in MM:SS or HH:MM:SS if the event is more than 60 minutes.
PID	Tunein User Key
PKEY	Tunein User Password
TUNE	Tune in Message as defined in the CSRDS Tunein properties

LABEL	Record Label as provided in Automation System
HOST	Host name as provided by Automation System
SHOW	Show name as provided by Automation System
***YEAR**	Year song released as provided by Automation System
ARTISTFIL	Information to use for promotional messages. If entered it will be the Artist Cover info defined in the HD/IP Output tab, if not entered then the DPS Static message from the RDS\RBDS Encoder tab will be used and if it is blank then the PS will be used.
AR40	The artist name filled or cropped to 40 characters
TT40	The song title filled or cropped to 40 characters
DELAY	The time delay between when the event was received from the automation system until the time the merge file is created.
RDS	The RDS message as posted to the RDS\RBDS Radio Text

Template Commands

In addition to the merge codes we can also include some commands within the Template to control how CSRDS processes the data. These commands are placed as the first characters in the template and will be stripped from the data before the data is posted. These commands are

URL=	Use this command to tell CSRDS that this template is to be posted as a URL post and that the data should be URL encoded. EG: <i>URL=https://***USER***.***PASS***@ws.mysite.com/web/ws/InsertSong?stationId=***STN***&songName=***TITLE***&artistName=***ARTIST***&timestamp=***TME(YYYY-MM-DD:HH:NN:SS)&length=***LEN***&source=P</i>
URL+=	Same as URL only the + sign will be used instead of the & in URL encoding
PUT=	Used for HTTP and HTTPS protocols where a PUT is used instead of a POST command
JPUT=	Same as PUT but changes the application option to JSON from XML
JSON=	Uses the POST option and changes the application option to JSON from XML

Sample Now Playing/IP file in XML format (RDS.XML included with install set)

Template <?xml version="1.0" encoding="utf-8" ?>
<Playing station="***STN***" RenderedAt="***UPDATE***">
 <item type="***TYPE***">
 <DateTime>***TIME***</DateTime>
 <StartedAt>***TSTAMP***</StartedAt>
 <Length>***LENGTH***</Length>
 <Cart>***CART***</Cart>
 <Artist>***ARTIST***</Artist>
 <SongTitle>***TITLE***</SongTitle>
 <album>***ALBUM***</album>
 <musicid>***MUSICID***</musicid>
 <Year>***YEAR***</YEAR>
 <composer>***COMPOSER***</composer>
 <NextArtist>***NXTARTIST***</NextArtist>
 <NextTitle>***NXTTITLE***</NextTitle>
 <NextAlbum>***NXTALBUM***</NextAlbum>
 <URL>***URL***</URL>
 <Graphic>***GRAPHIC***</Graphic>
 <Media>***MEDIA***</Media>
 </item>
</Playing>

Output

Template <?xml version="1.0" encoding="utf-8" ?>
<Playing station="KNAB-FM" RenderedAt="2007-06-14T17:13:25-04:00">
 <item type="MUS">
 <DateTime> Thu 05:13PM </DateTime>
 <StartedAt> 2007-06-14T17:13:25-04:00</StartedAt>
 <Length>000243</Length>
 <Cart>MUSC1023</Cart>
 <Artist>The Rolling Stones</Artist>
 <SongTitle>Paint It Black</SongTitle>
 <album>Best of The Stones</album>
 <musicid>ISCI12122-R21</musicid>
 <Year>1967</YEAR>
 <composer></composer>
 <NextArtist>Creedence Clearwater Revival</NextArtist>
 <NextTitle>Proud Mary</NextTitle>
 <NextAlbum>Willy and the Poor Boys</NextAlbum>
 <URL><http://www.ccr.com/willy.htm></URL>
 <Graphic></Graphic>
 <Media></Media>
 </item>
</Playing>

Sample CSV file

Template ***STN***,***ARTIST***,***TITLE***,***TYPE***

Output FM96,ELLIOTT YAMIN,WAIT FOR YOUR,MUS

Sample URL Posting Template

URL=http://***IP***.***PORT***/admin.cgi?pass=***PASS***&mode=upinfo&song=***RDS***

Output

http://192.168.1.102:8111/admin.cgi?pass=MyPassword&mode=upinfo&song=Wait for You by Elliott Yamin

Sample Web Posting Template

http://***IP***.***PORT***/admin.cgi?pass=***PASS***&mode=upinfo&song=***RDS***

Output

http://192.168.1.102:8111/admin.cgi?pass=MyPassword&mode=upinfo&song=Wait for You by Elliott Yamin

Sample Now Playing HTML File

Template <html>
 <body>
 <p>***STN***</p>
 <p>***ARTIST***</p>
 <p>***TITLE***</p>
 <p>***TYPE***</p>
 </body>
 </html>

Output <html>
 <body>
 <p>FM96</p>
 <p>ELLIOTT YAMIN</p>
 <p>WAIT FOR YOU</p>
 <p>MUS</p>
 </body>
 </html>

History File Merge Codes

Like the now playing information, we may also choose to send a history of the last number of songs played on the air. The number of songs in the list is determined in the "Send To" tab of the CSRDS properties.

Depending on the needs and skills of the web developer, you may choose to create your own history using the information from the RDSXML file or you may use the History.XML file included in the install set or you own file using the format codes *****COPY***** or *****HISXML*****. As the names imply, the *****COPY***** simply merged the play line into the template file, while the *****HISXML***** command inserts XML code along with the play line.

Summary History Template

```
<?xml version="1.0" encoding="utf-8" ?>
<Playlist>
***HISXML***
</Playlist>
```

Detail History Template

```
<?xml version="1.0" encoding="utf-8" ?>
<Playlist>
***PLAYLIST***
```

In either case, the play line will show as day, time, cart, song, and artist.

For example: Fri 11:31AM M102 Paint it Black by The Rolling Stones

Sample XML Summary History

```
<?xml version="1.0" encoding="utf-8" ?>
= <Playlist>
  <Song Id="1">Thu 08:48AM 6085-15 WON'T GET FOOLED AGAIN BY THE WHO</Song>
  <Song Id="2">Thu 08:45AM 2165-99 SCHOOLS OUT FOR SUMMER BY ALICE COOPER</Song>
  .
  .
  .
  <Song Id="15">Mon 07:54AM 6005-75 CRUEL SUMMER BY ACE OF BASE</Song>
</Playlist>
```

SampleXML Detail History

```
Playlist.
<?xml version="1.0" encoding="utf-8" ?>
<PlayList>
  <Song id="1">
    <Date>Thu 04:56PM</Date>
    <Artist>The Who</Artist>
    <Title>Who Are You</Title>
    <Album>CSI:Crime Scene Investigation</Album>
  </Song>
  <Song id="2">
    <Date>Thu 04:54PM</Date>
    <Artist>Creedence Clearwater Revival</Artist>
    <Title>Looking Out My Back Door</Title>
    <Album>CCR at the Dome</Album>
  </Song>
  .
  .
  .
  <Song id="15">
    <Date>Thu 12:18PM</Date>
    <Artist>Alice Cooper</Artist>
    <Title>SCHOOLS OUT FOR SUMMER</Title>
    <Album>Alice Cooper Live</Album>
  </Song>
</PlayList>
```

Sample History HTML from the Playlist

This template creates a table of the last ### songs played and includes 3 special merge codes *****STATIC*****, *****DATE***** and *****TABLE*****. The stations static message as defined in the General Tab of CSRDS will be placed where the *****STATIC***** code is placed and a Day, Month, Date, Year formatted date will be placed where the *****DATE***** code is located. (eg. Monday, October 26, 2009) The *****TABLE***** is used to create a table of songs played.

HTML Template

```
<html>
<head>
<meta http-equiv="Content-Language" content="en-us">
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<title>***STN*** Schedule </title>

</head>

<body>
<p><font face="Arial" color="#000080"><b>***STN******STATIC******DATE******TABLE***

</table>
</body>
</html>
```

Sample

Playlist for FM96
LONDONS BEST ROCK FM96
Sunday October 25, 2009

Air Time	Title	Artist
12:10PM	ROLLING STONES	I CAN'T GET NO SATISFACTION
12:01PM	LONNIE MACK	MEMPHIS
11:50AM	SIMON AND GARFUNKEL	I AM A ROCK
11:19AM	ROLLING STONES	I CAN'T GET NO SATISFACTION
11:08AM	CREEDENCE CLEARWATER REVIV	DOWN ON THE CORNER
11:08AM	JAN & DEAN	DRAG CITY
10:29AM	SANTANA with ROB THOMAS	SMOOTH
10:05AM	CRACKER	LOW
09:27AM	ROLLING STONES	I CAN'T GET NO SATISFACTION
09:27AM	SIMON AND GARFUNKEL	I AM A ROCK
09:26AM	KIM MITCHELL	PATIO LANTERN
09:25AM	CREEDENCE CLEARWATER REVIV	DOWN ON THE CORNER
01:17PM	THE TREWS	NOT READY TO GO
01:14PM	MOTLEY CRUE	SAINTS OF LOS ANGELES
01:10PM	VAN HALEN	ERUPTION/YOU REALLY GOT ME
01:06PM	CITY AND COLOUR	SLEEPING SICKNESS
01:02PM	THE CLASH	ROCK THE CASBAH
12:58PM	THE BEASTIE BOYS	SURE SHOT
12:50PM	GREEN DAY	BRAIN STEW
12:45PM	METALLICA	FUEL
12:43PM	BLUR	SONG 2
12:30PM	RADIOHEAD	FAKE PLASTIC TREES
12:26PM	OUR LADY PEACE	SUPERSATELLITE