



Myriad OCP 5 - User Guide

By Broadcast Radio

Last Updated: 16/11/2020

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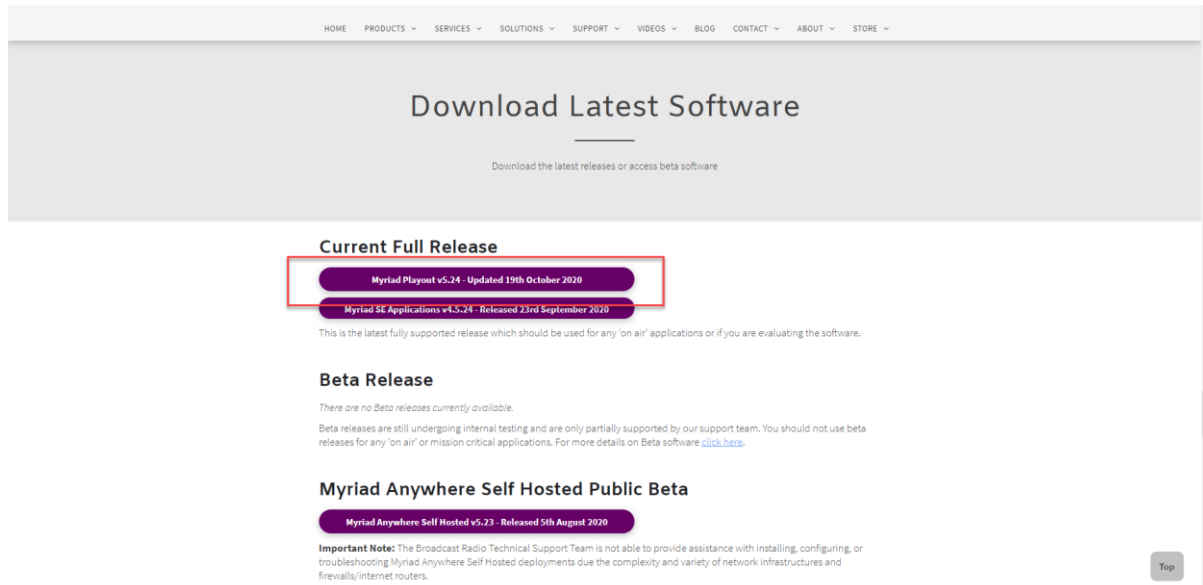
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Quick Installation & Setup

OCF 5 can be installed on any PC that is connected to both your Myriad network and the Internet. You can install OCF 5 on the same machine as Myriad providing that it has access to the web.

To install OCF 5 visit:

<https://www.broadcastradio.com/myriad-5-payout-support#Download>



Click on the **Current Full Release** button and select OCF 5 from the popup list.

This will download the installer files to your standard 'Downloads' folder. To install (you will need Admin permissions) simply double click on this installer file.

Follow the on screen instructions and select typical set-up when prompted.

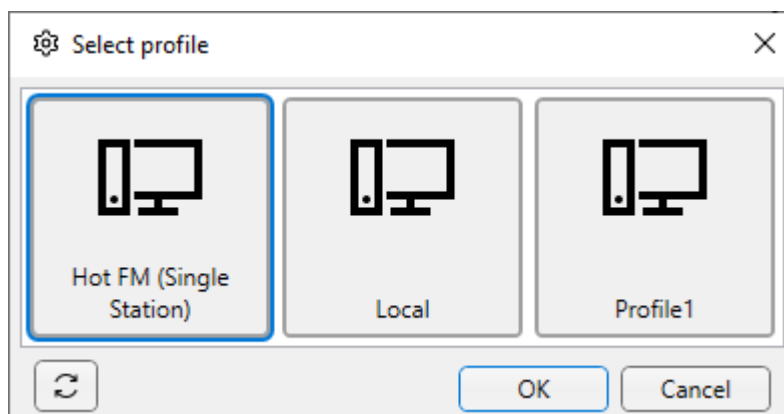
Once the installation process is complete you are ready to launch OCF 5.

Running OCF 5 For The First Time

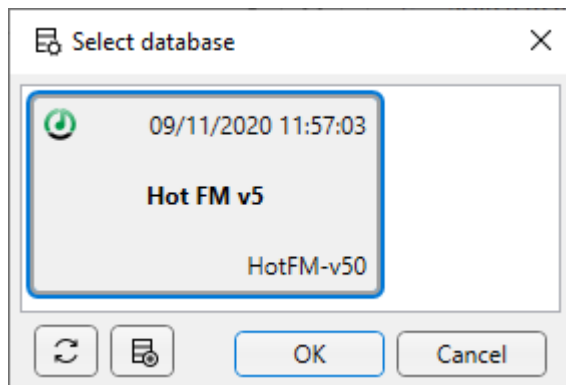
OCF 5 does not require a license to run (as it is designed to work with licensed Myriad 5 Payout workstations) so you will not be asked to enter any license details. Instead you will proceed directly to application setup.

If you have Myriad 5 Payout already setup on this PC

If you have Myriad 5 Payout installed on the same PC then OCF 5 will automatically detect this and use the same settings to configure itself. If you have multiple Profiles installed on your system, you will be asked which Profile to use.



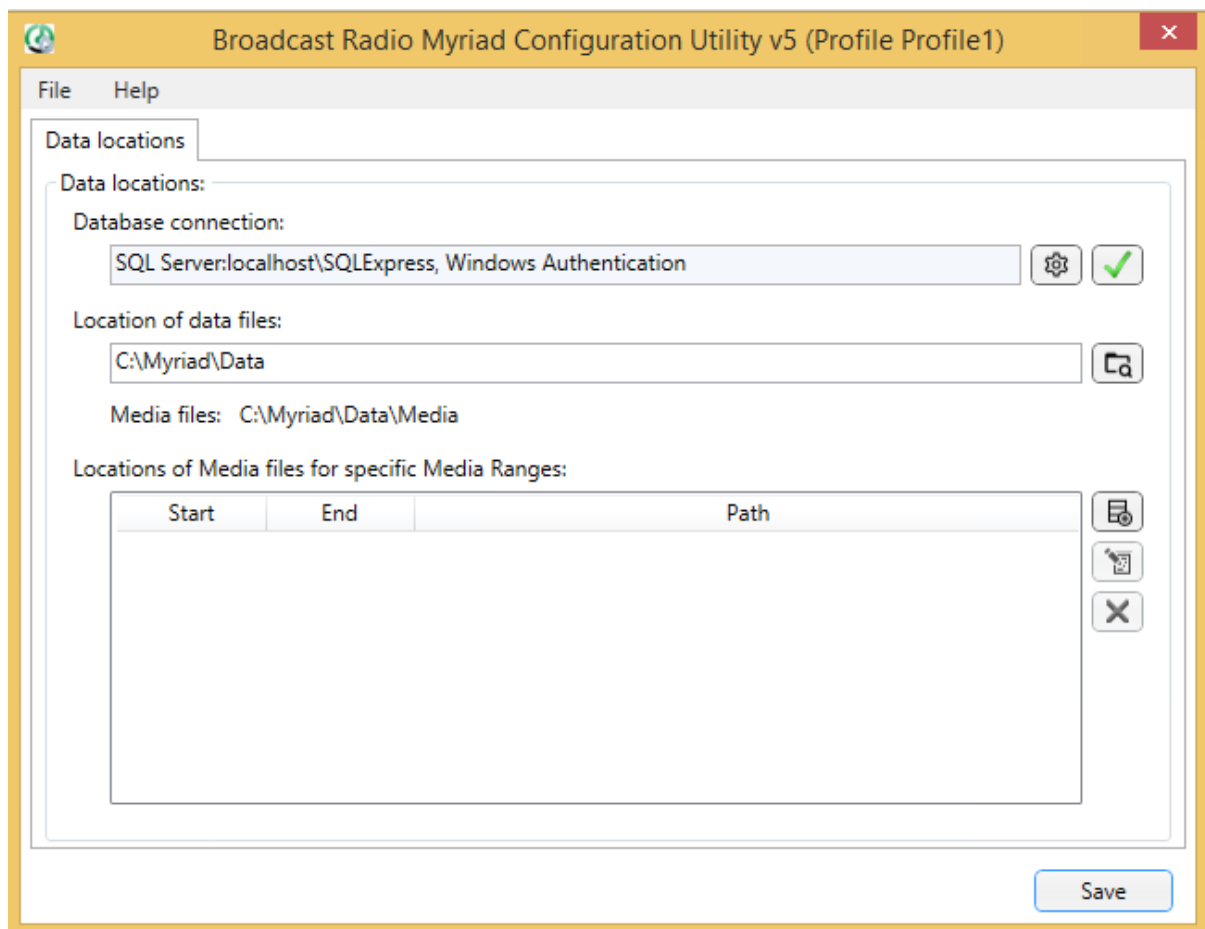
Once you have selected the desired profile, or you only have one Profile configured, OCP 5 will next ask you to select the Station Database you want to use. In most cases you will only have one (even if you operate multiple Stations within that single database).



Select the Station Database you want to use and click on OK.

If you do not have Myriad 5 Playout installed on this PC

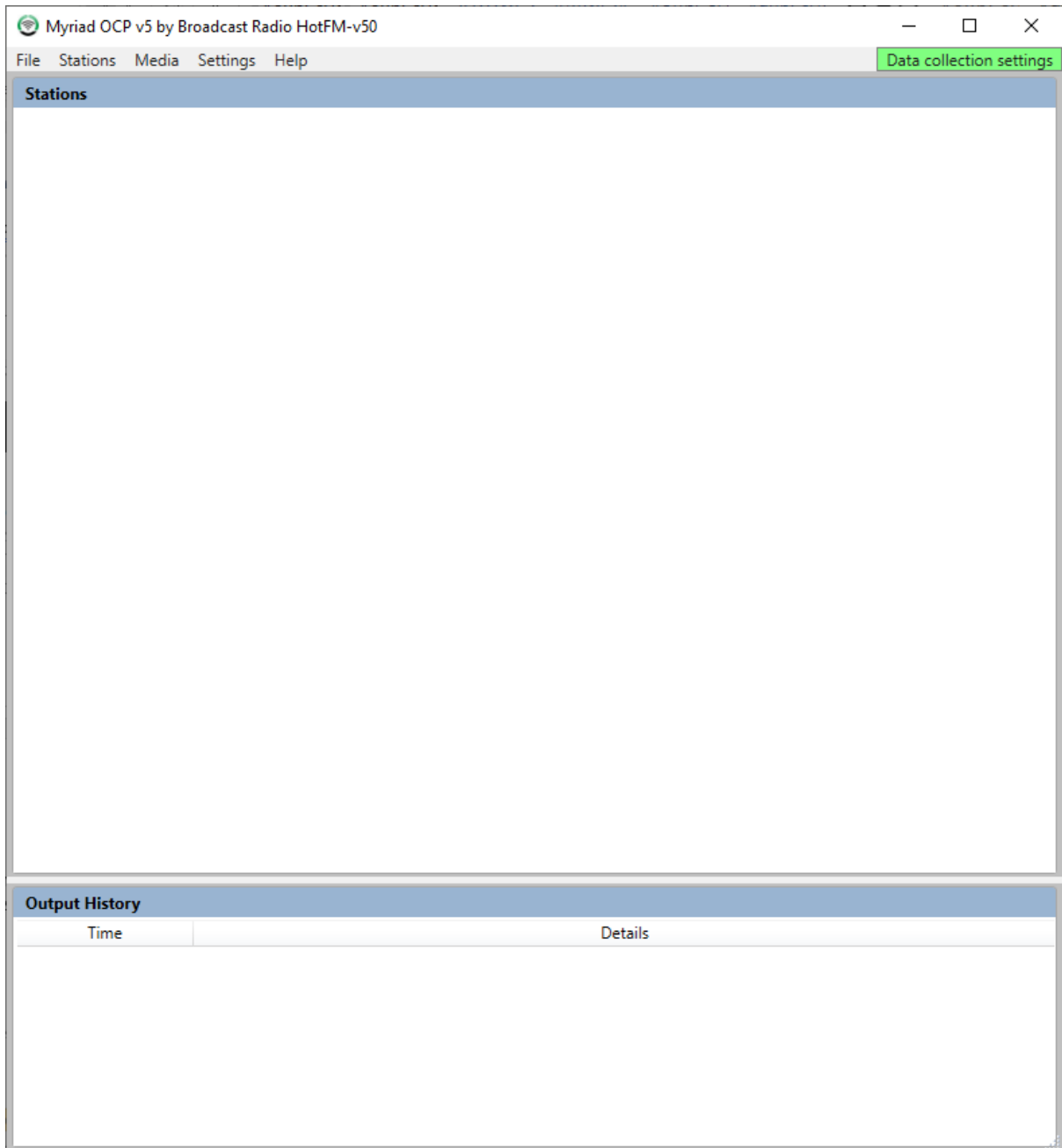
If you have not got Myriad 5 Playout installed on the PC that you are running OCP 5 on, you will be asked to set the SQL and Data locations for your central Myriad 5 system.



If you are not sure what these should be, go to a PC that has Myriad 5 Playout configured and check the **Settings Menu > Applications Settings**. The locations you need can be found on the **Data Locations** tab.

Once you have entered the correct file path location and SQL connection details, you will be directed to select the appropriate Profile and Station Database as outlined in the previous section.

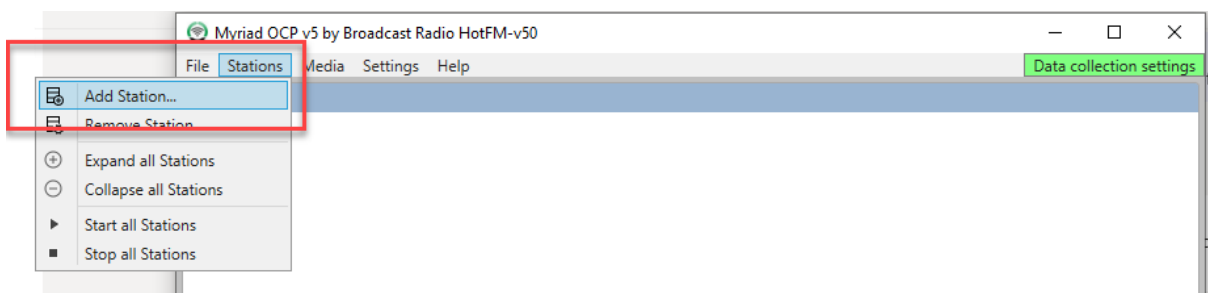
OCP 5 is now ready to start setting up Stations and Outputs.



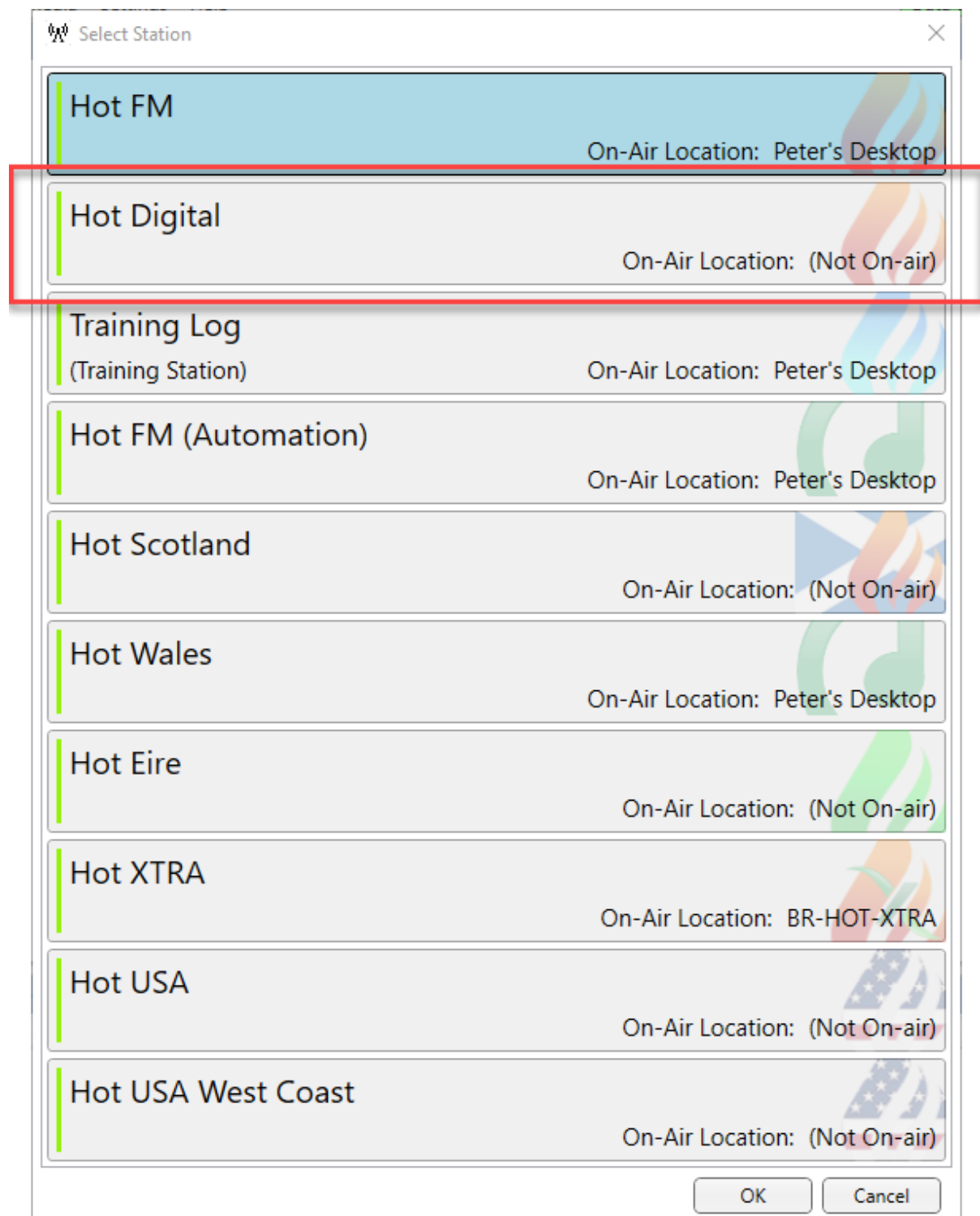
Adding A Station To OCP 5

Before you can configure Myriad 5 Playout to connect to OCP 5, you need to add a Station to OCP 5 that Myriad can connect to.

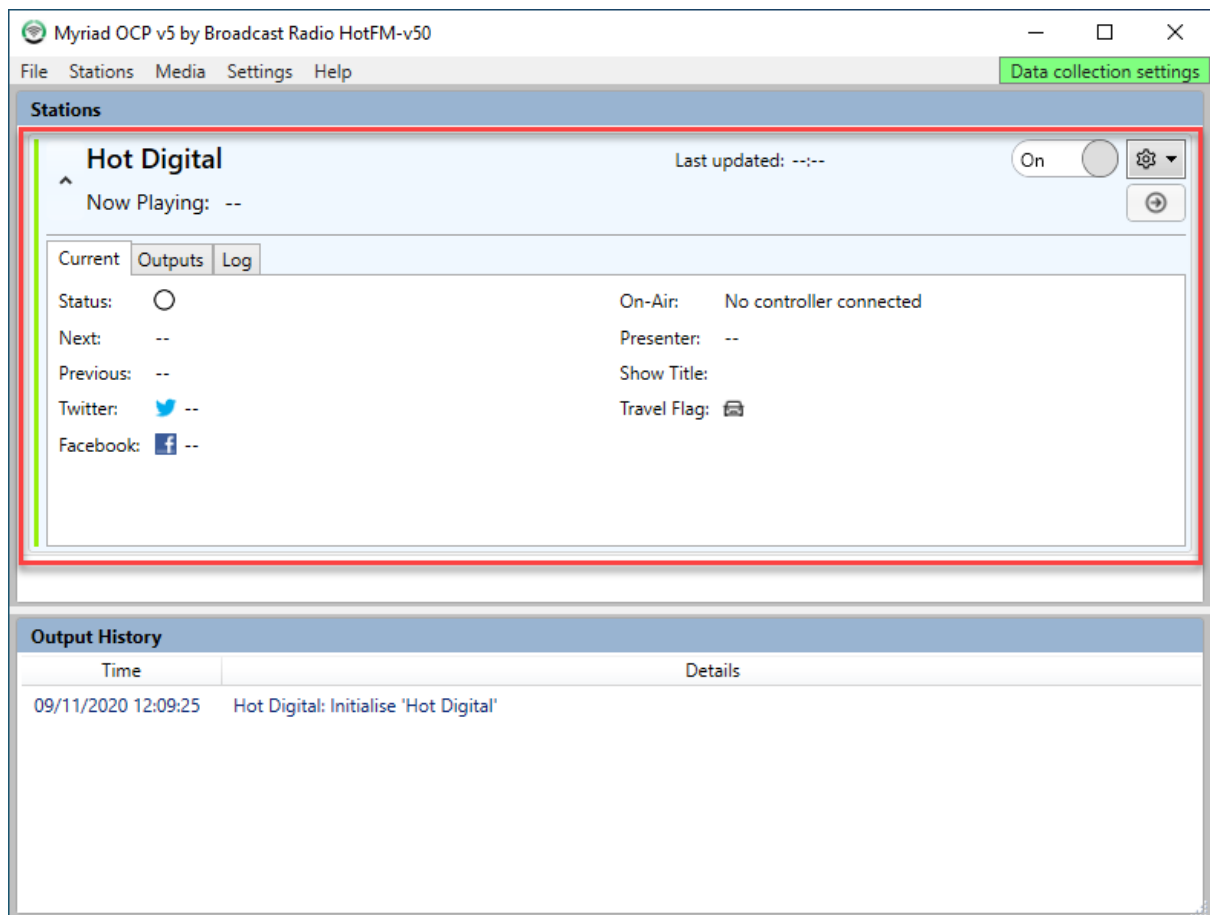
Click on the **Stations Menu** and select **Add Station**.



Next you will see a list of **Stations** that are available within your **Station Database**. We will select Hot Digital in this example.

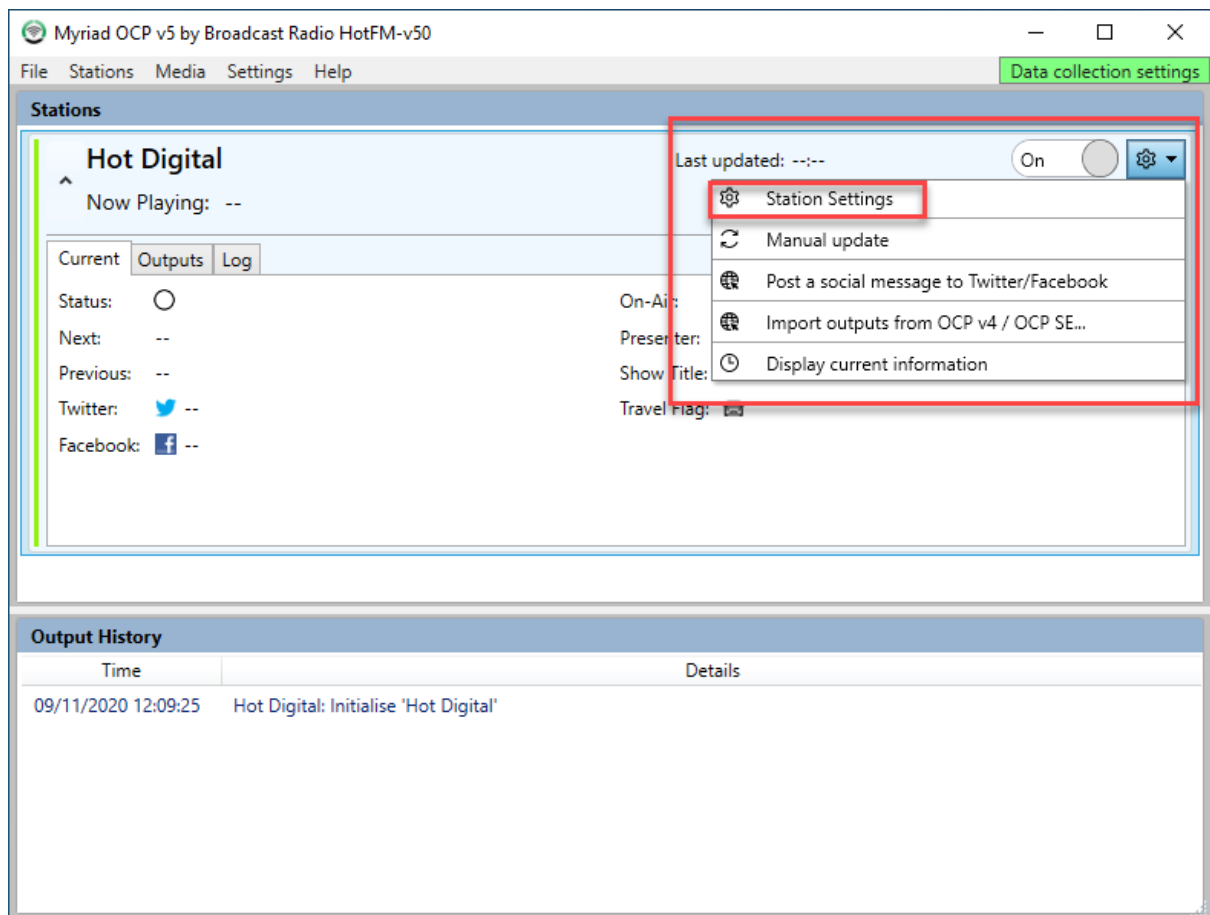


The Station will be added to OCP 5 using the most common settings.



Adjusting Station Settings

To adjust the Station Settings, click on the settings button to the top right of the station to extend the drop down option menu, then select **Station Settings**.



This will open the Station Settings window.

The screenshot shows the 'OCP Station Settings' dialog box for 'Hot FM'. At the top, there are two toggle switches: 'Automatically start:' set to 'Yes' and 'Show 'collapsed' at startup:' set to 'No'. Below this is a tabbed interface with 'General', 'Updates', 'Social Media', and 'Recent History' tabs. The 'General Settings' section contains the following options:

- OCP Station Reference:** A text field containing 'StationId0'. A note below it states: 'Note: This must match the 'OCP Station Reference' set in the Myriad Playout Station Settings window'.
- Filename to use when there is no image associated with an item:** A text field containing 'nopicture.jpg'.
- Log DAB and Serial to:** An unchecked checkbox followed by an empty text field and a folder selection icon.
- Source Text Options:** A section with two checked checkboxes:
 - Remove any text between '<' and '>' from the Title and Artist fields
 - Remove any text between '<' and '>' from the Presenter and Show fields
- Travel Information:** A section with one checked checkbox:
 - Turn on 'Travel flag' when Current Item Title starts with: A text field containing 'Travel'.
 - Turn Flag off: A spinner box set to '60' followed by the text 'seconds after the Current Item changes'.

At the bottom right of the dialog are 'OK' and 'Cancel' buttons.

Automatically Start Station

This image shows a close-up of the top section of the 'OCP Station Settings' dialog for 'Hot FM'. It features two toggle switches: 'Automatically start:' which is currently set to 'Yes', and 'Show 'collapsed' at startup:' which is currently set to 'No'.

You can select whether OCP 5 should automatically start sending information for this Station when the applications starts using this Yes / No option.

You can also set whether the Station should appear in full of collapsed view be default on 'start up'.

The General Tab

The General Tab allows you to adjust a range of general settings for the selected Station.

Hot FM

Automatically start: Yes No Show 'collapsed' at startup: Yes No

General Updates Social Media Recent History

General Settings

OCP Station Reference:

Note: This must match the 'OCP Station Reference' set in the Myriad Payout Station Settings window

Filename to use when there is no image associated with an item:

Log DAB and Serial to:

▲ **Source Text Options:**

- Remove any text between '<' and '>' from the Title and Artist fields
- Remove any text between '<' and '>' from the Presenter and Show fields

▲ **Travel Information**

- Turn on 'Travel flag' when Current Item Title starts with:
- Turn Flag off: seconds after the Current Item changes

OK Cancel

The options are:

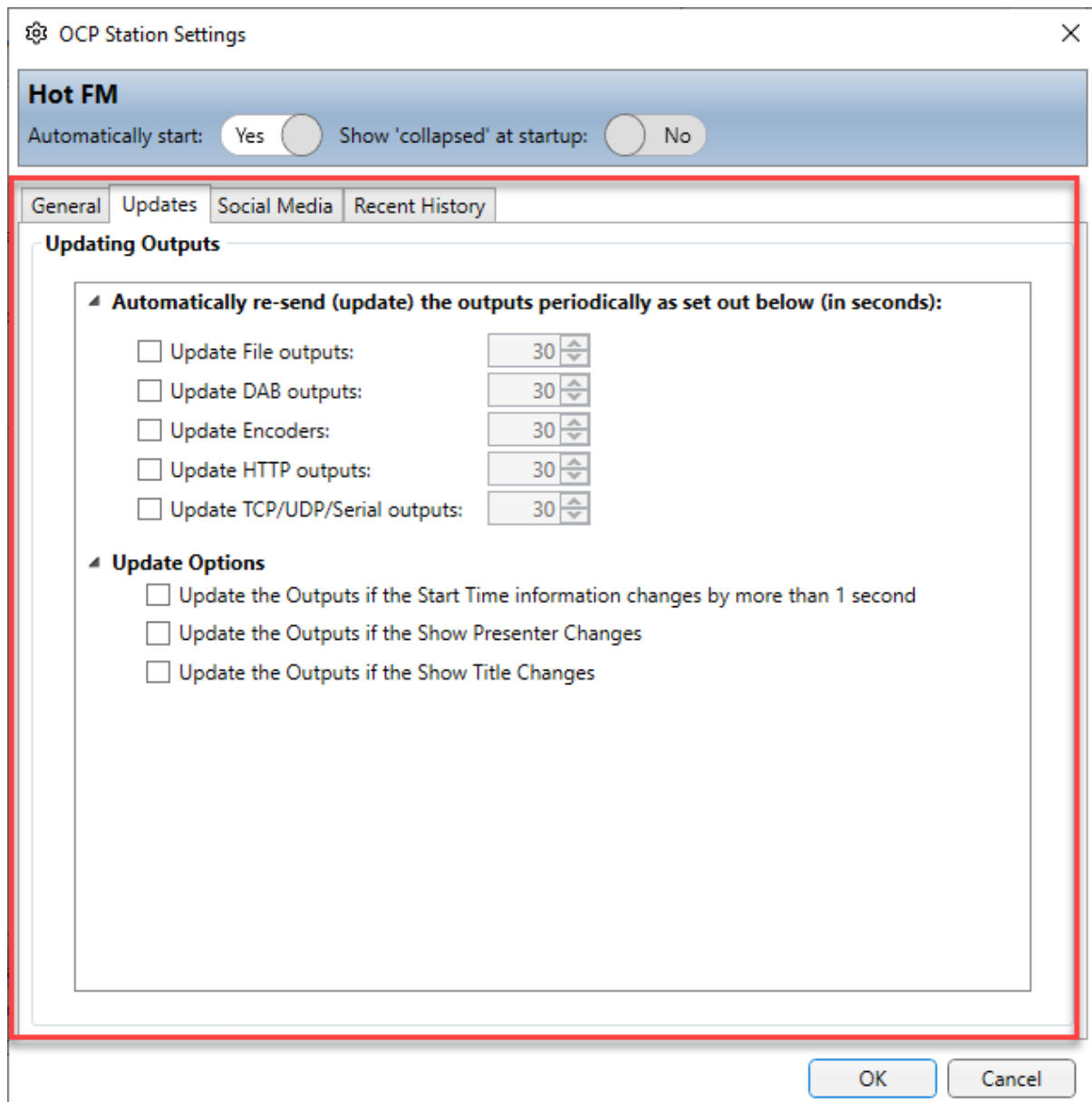
- **OCP Station Reference** – This is a unique reference that Myriad 5 Payout and OCP 5 use to identify the correct OCP 5 Station for the payout system to update. You should set this to be something obvious (HotDigital for example) and make a note of it as you will need to enter it exactly as it is here, in the Station Settings section of Myriad 5 Payout. It is worth copy / paste when the time comes to ensure they match exactly.
- **Image File Name To Use When No Image Is Associated** – Enter a path and file name for a suitable image file for OCP 5 to use when an audio item does not have an image associated. Please note this is not used by the Broadcast Radio MyStation Web Player or Mobile Apps.
- **Log DAB & Serial To** – Allows you to select a folder that OCP 5 will use to generate log files for DAB and Serial text processed.
- **Source Text Options** – Offers options for OCP 5 processing the text information it receives from Myriad 5 Payout:
 - **Remove Any Text Between < > From Title & Artists** – OCP will automatically remove any text that is sent to it that appears between the < > brackets. For example Love Machine <Radio Edit> by Girls Aloud will appear as Love Machine by Girls Aloud once the text is processed by OCP 5.
 - **Remove Any Text Between < > From Presenter & Show Fields** – OCP will automatically remove any text that is sent to it that appears between the < >

brackets. So Mark's Breakfast <Clock 1> will be displayed as Mark's Breakfast after OCP has processed the text.

- **Travel Information** – Allows OCP5 to send a special 'travel' output to certain devices (such as RDS encoders) then a Media Item is played that contains the specified trigger word. You can also set how long to 'hold' the traffic flag after the item has finished.

The Updates Tab

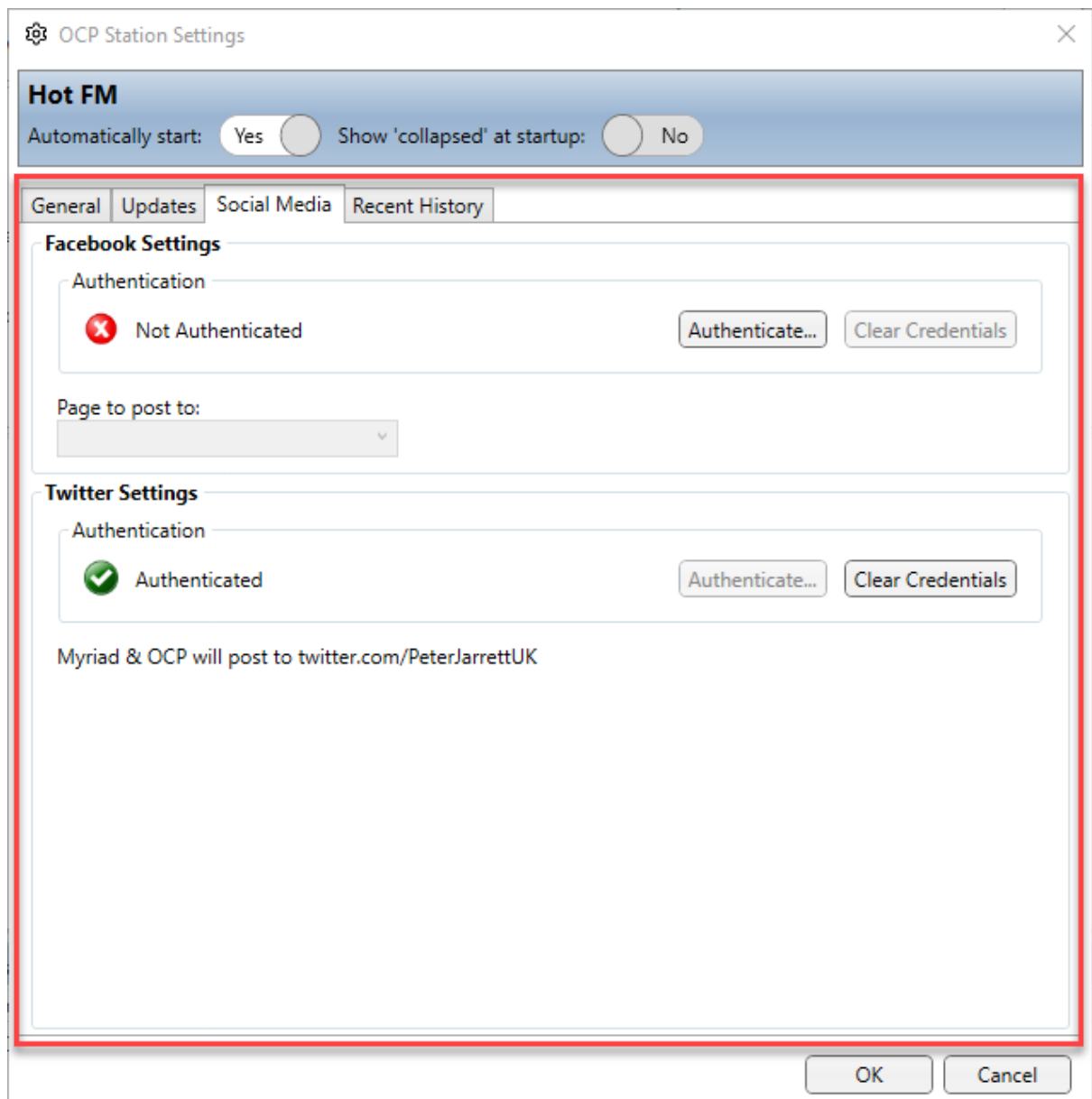
The Updates tab allows you to alter the way OCP 5 updates the information for a Station.



- **Automatically Re-Send Outputs Periodically** – Under normal circumstances, OCP 5 will update an 'output' then the Myriad 5 Playout indicates that the 'current content' has changed. This series of options allows you to override this so that specific Outputs are updated automatically every X seconds. This option is most often used in conjunction with Carousel files on DAB outputs.
- **Update Options** – Allows you to select additional criteria that will trigger an OCP 5 Output update.

Social Media Tab

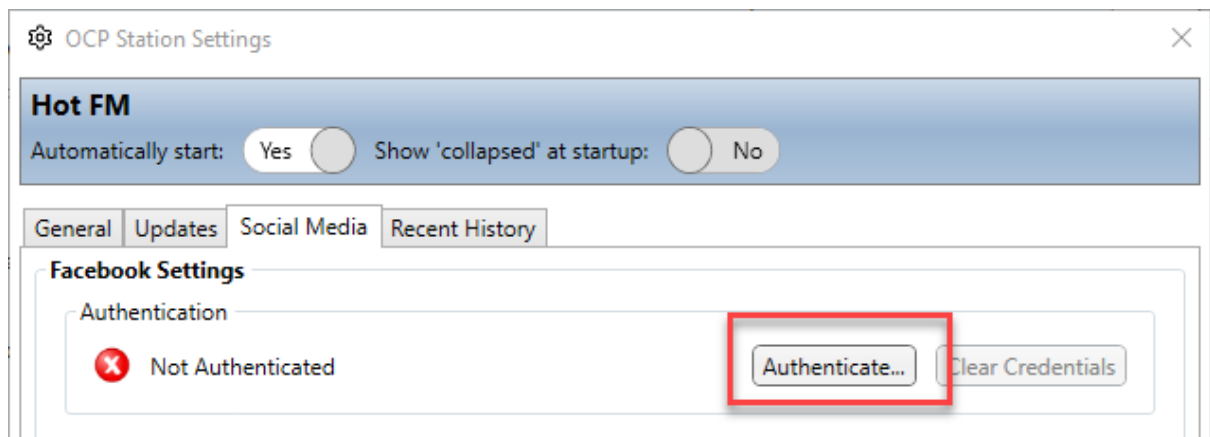
The Social Media tab allows you to add the Social Media credentials used to allow OCP 5 to post content to Facebook and Twitter.



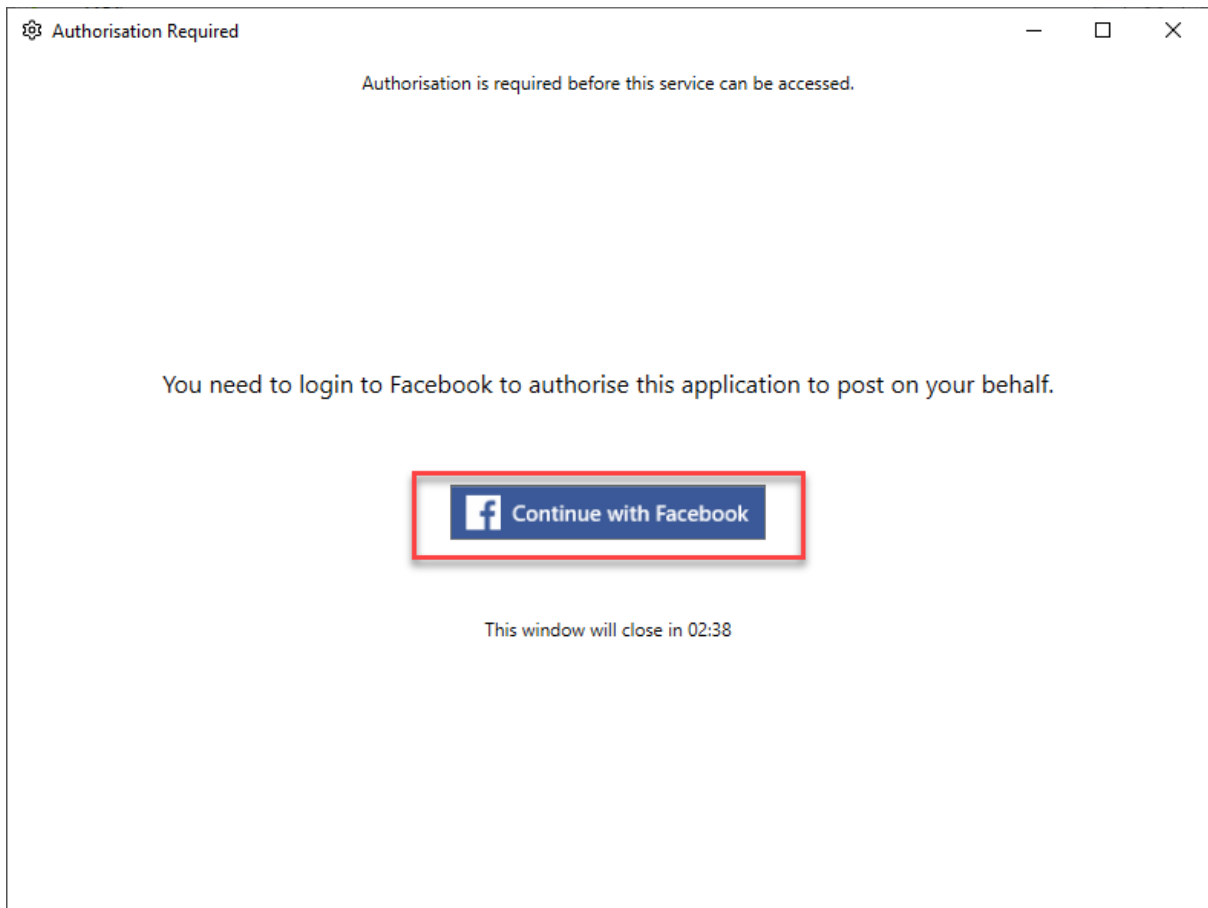
Authenticate Facebook

To authenticate OCP 5 to be able to use Facebook, follow these steps:

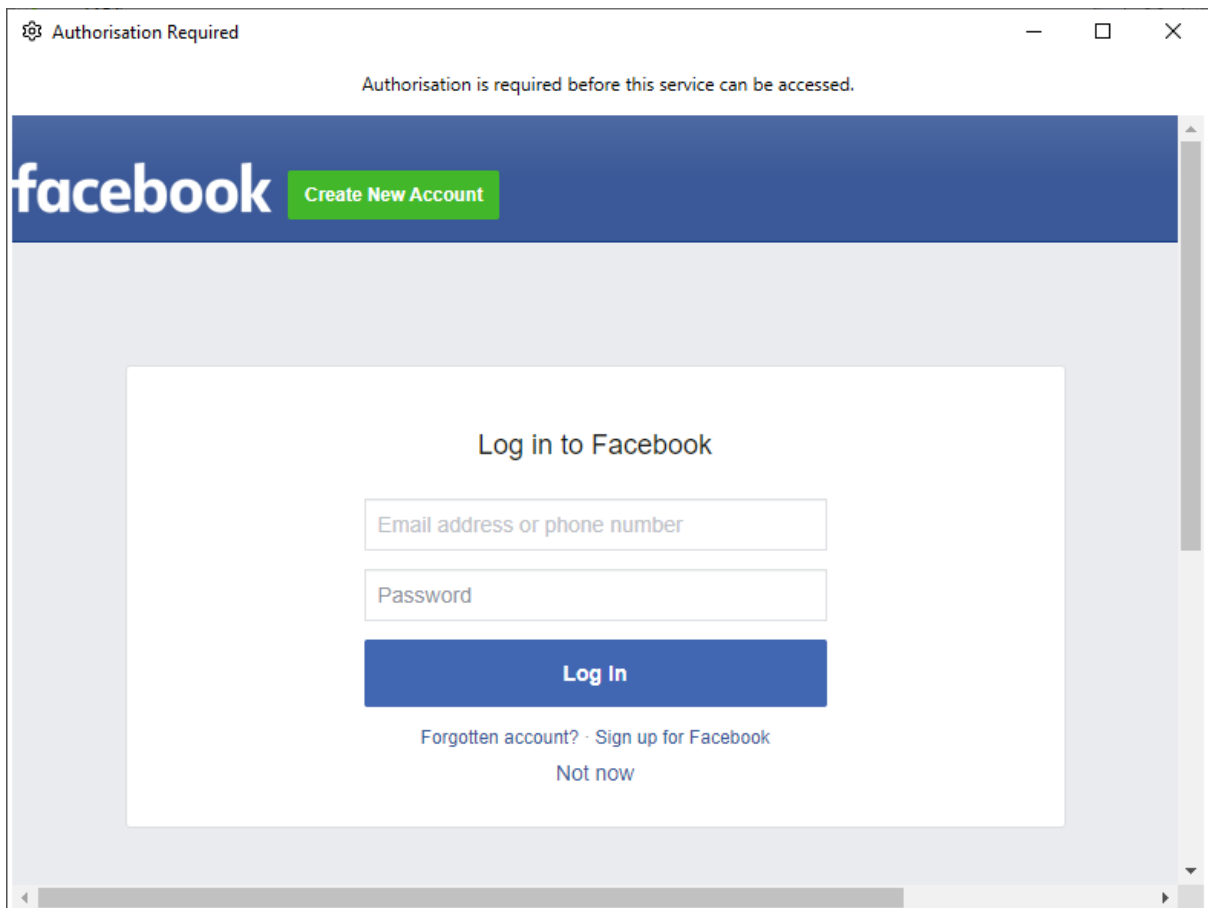
Clicks on the **Authenticate** button for Facebook.



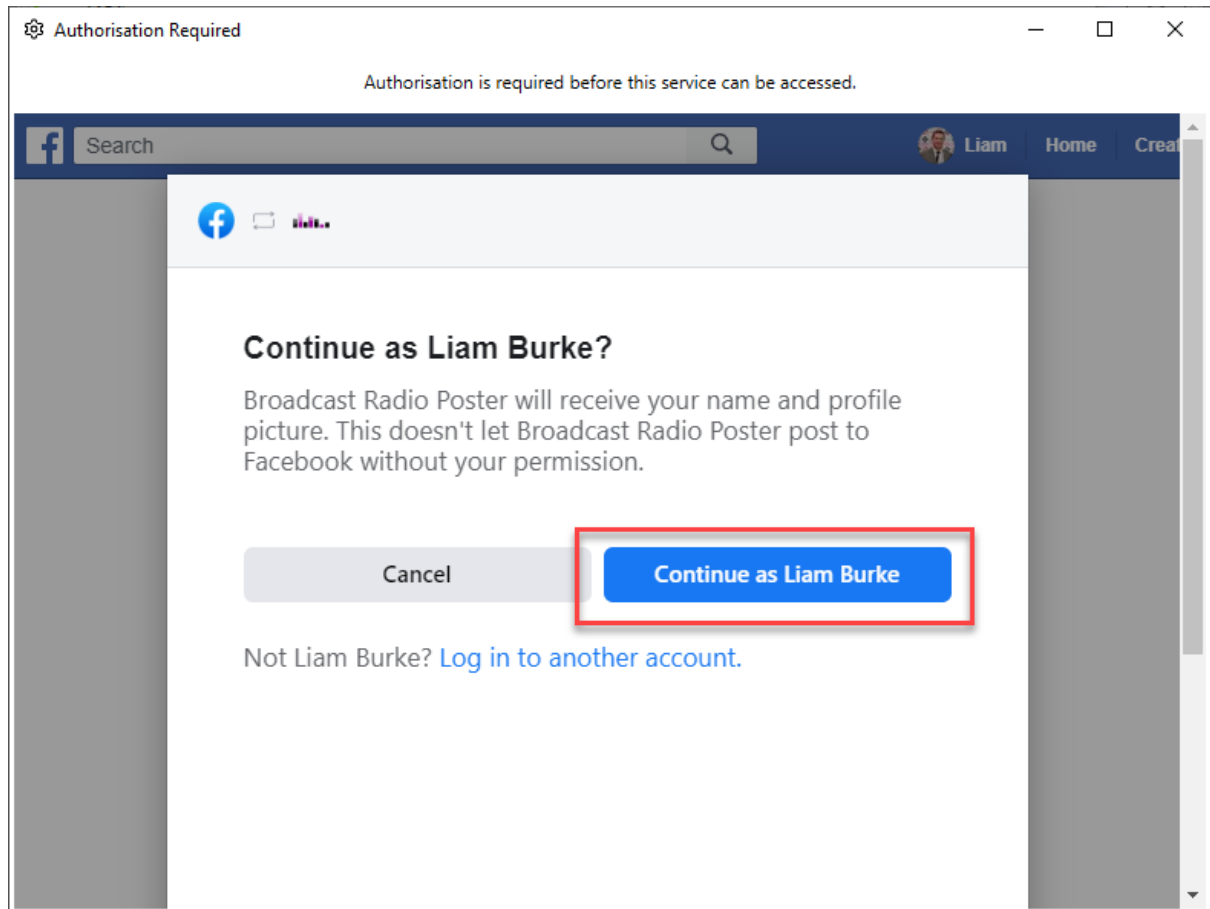
You will be asked to continue on to Facebook. Click on **Continue With Facebook**.



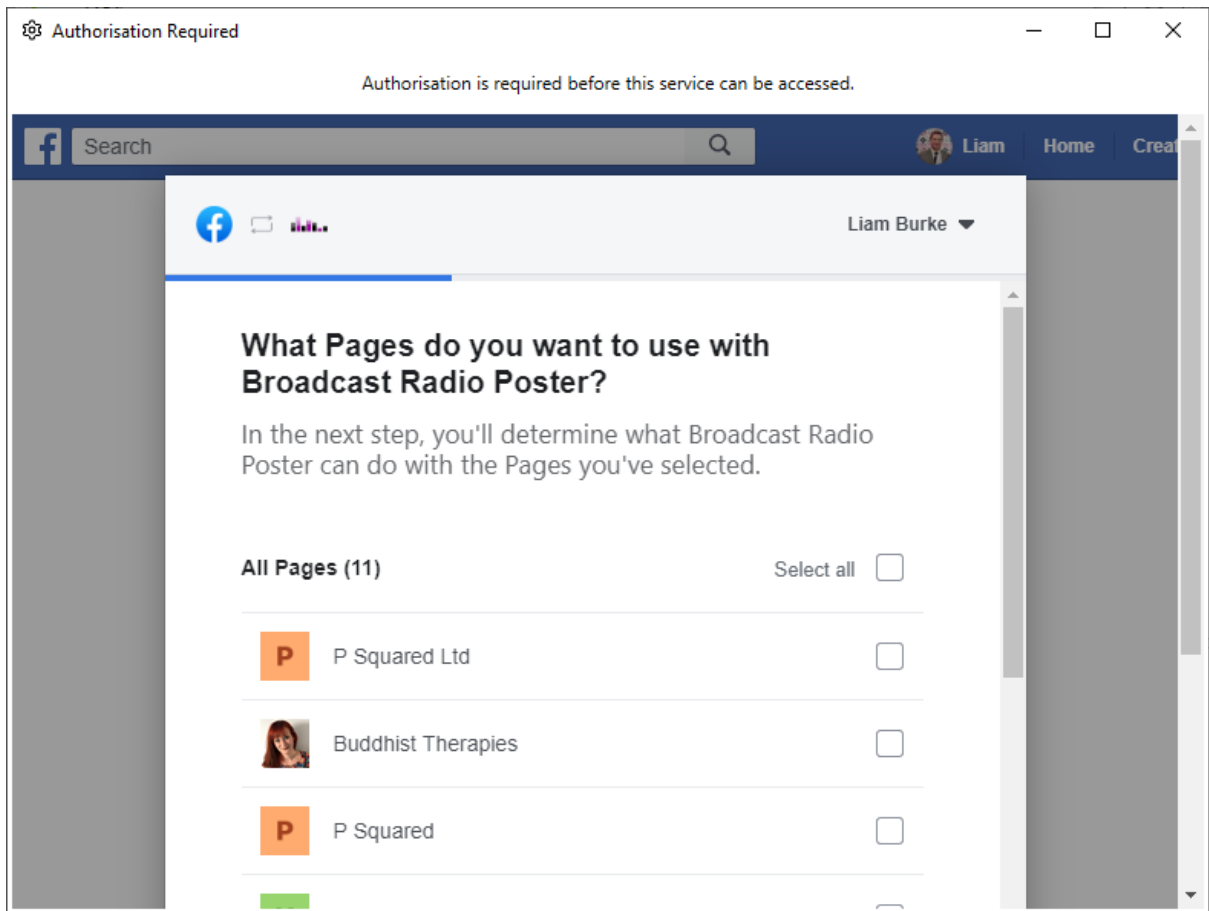
Next will be asked to login to Facebook with your normal Username and Password.



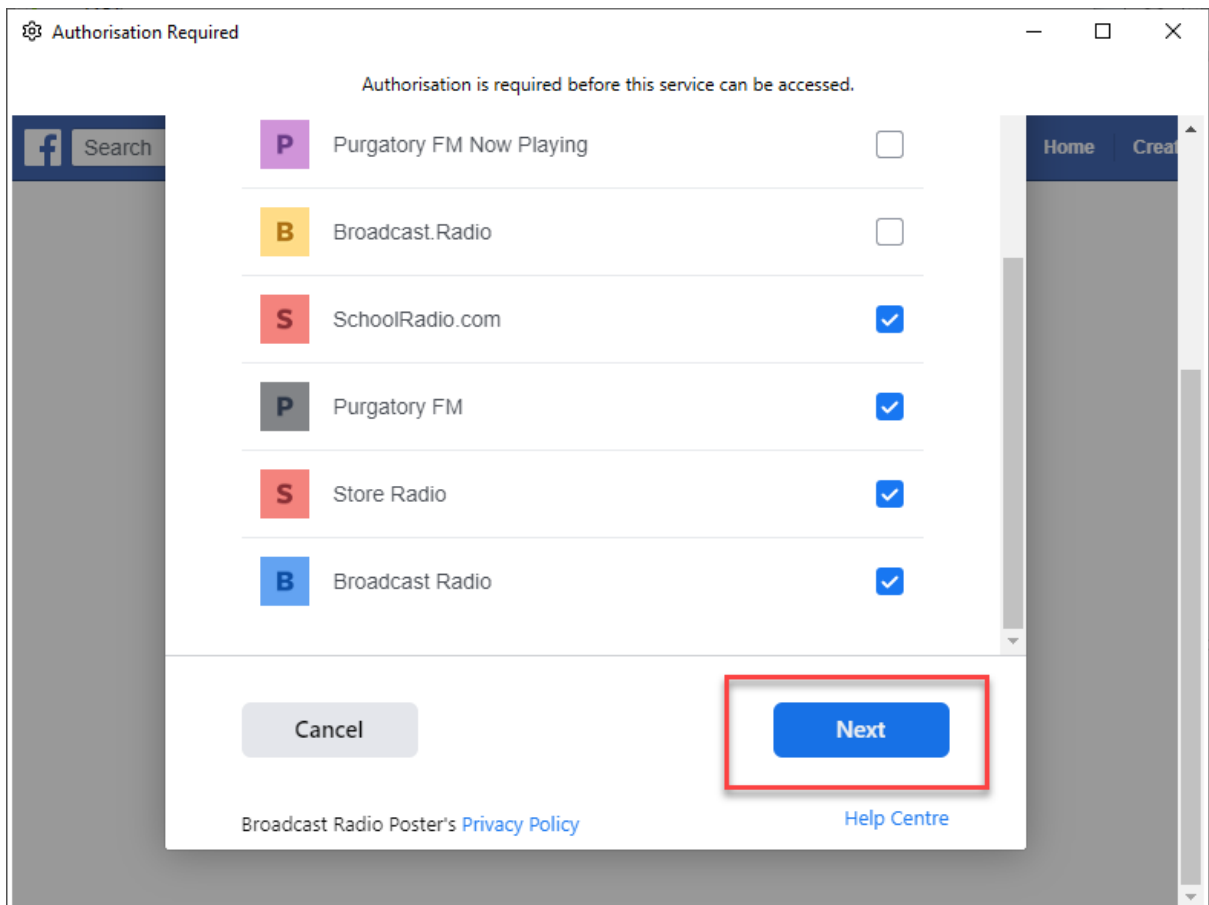
Once your credentials are accepted, you will be asked whether you wish to continue to proceed to Facebook.



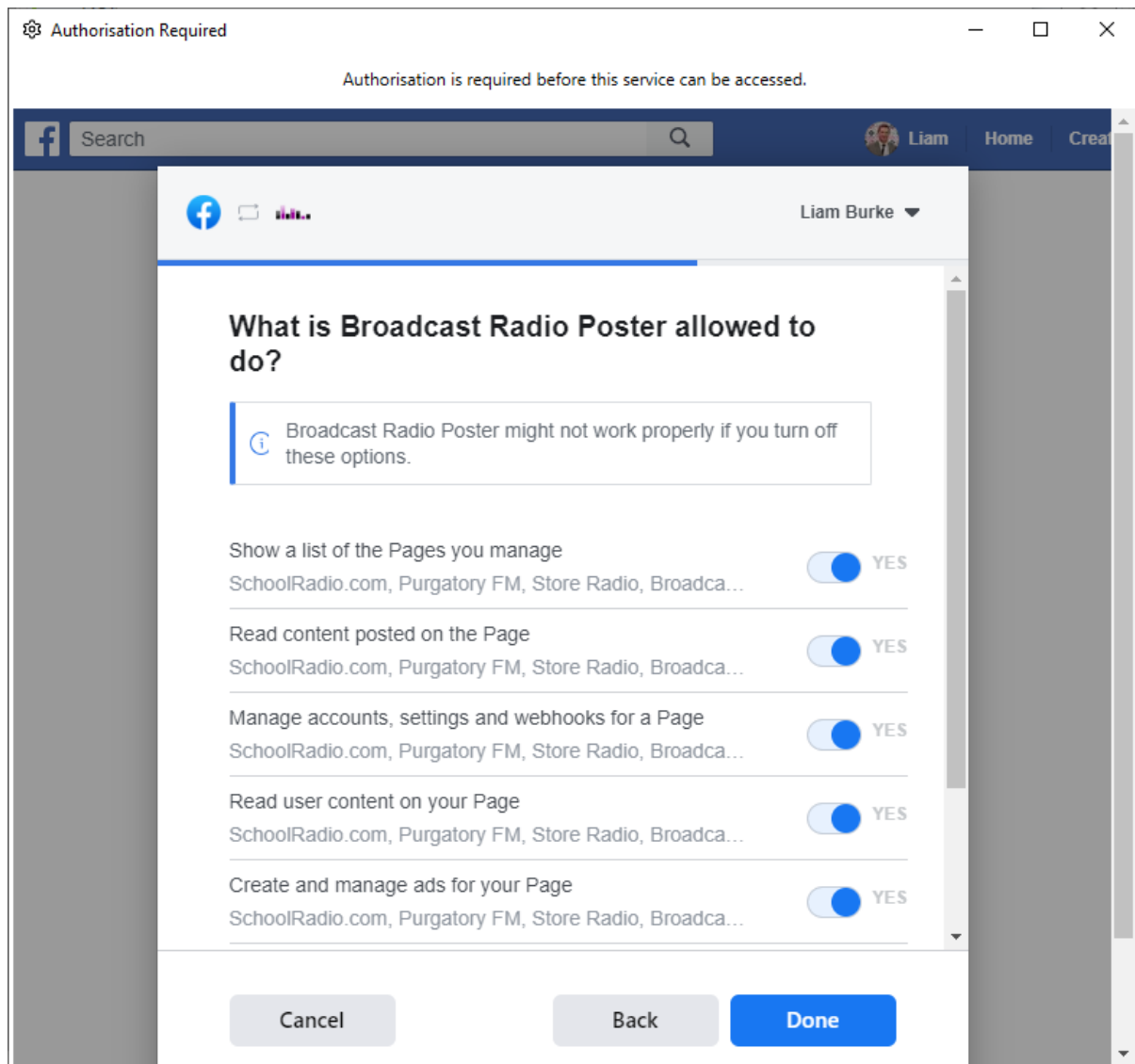
Next you will be asked which pages you wish to be able to post to.



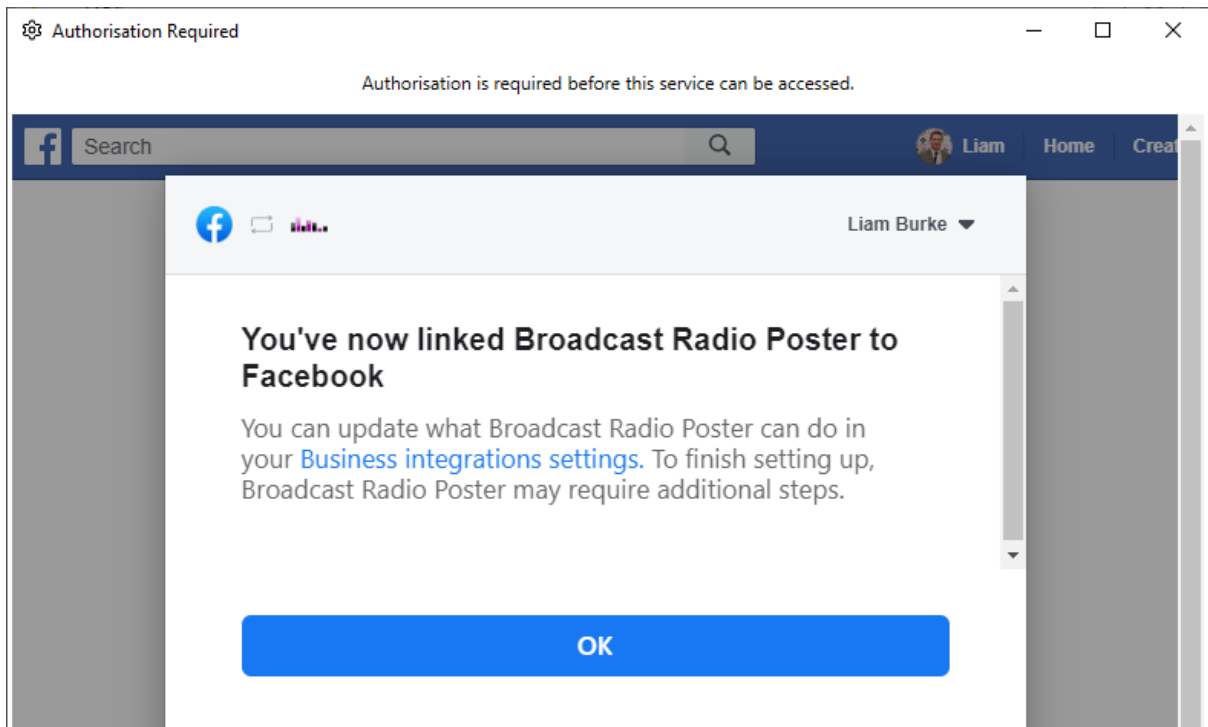
Tick the pages you want to use and scroll down to the bottom of the page and click **Next**.



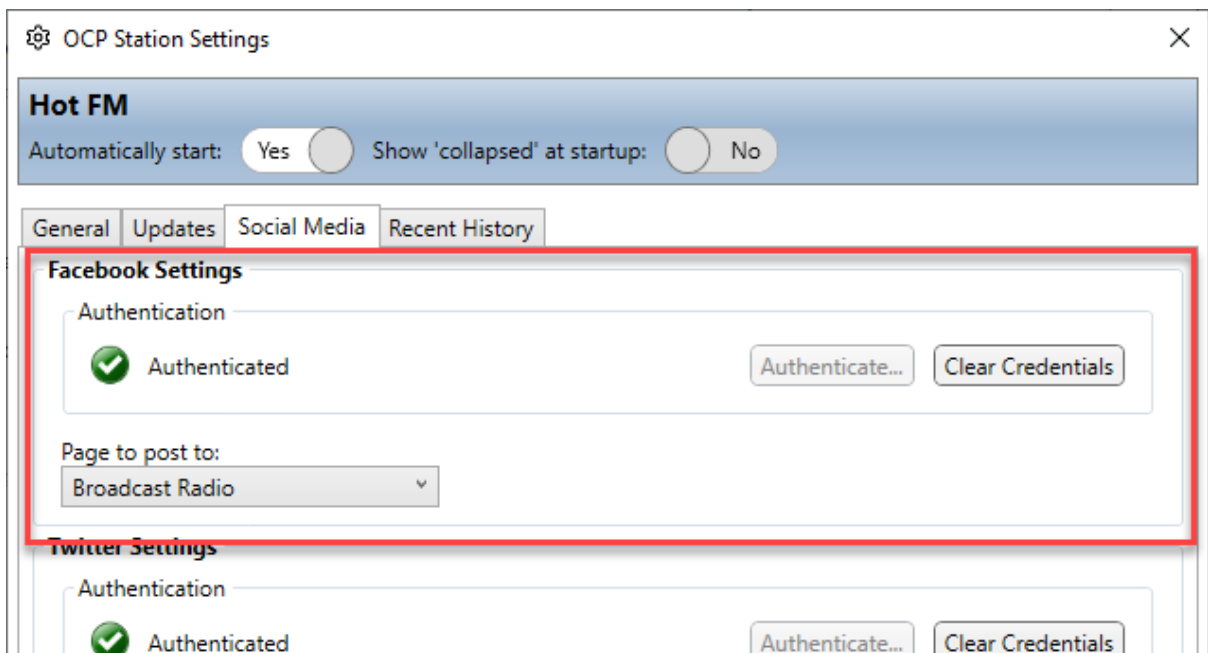
You will then be asked what permissions should be granted to OCP 5. We recommend setting them all to **Yes** but read them and choose which you want to grant, then click **Done**.



OCP 5 will now be authorised to post content to your selected Facebook pages.



You can see that the Authentication is confirmed by OCP.

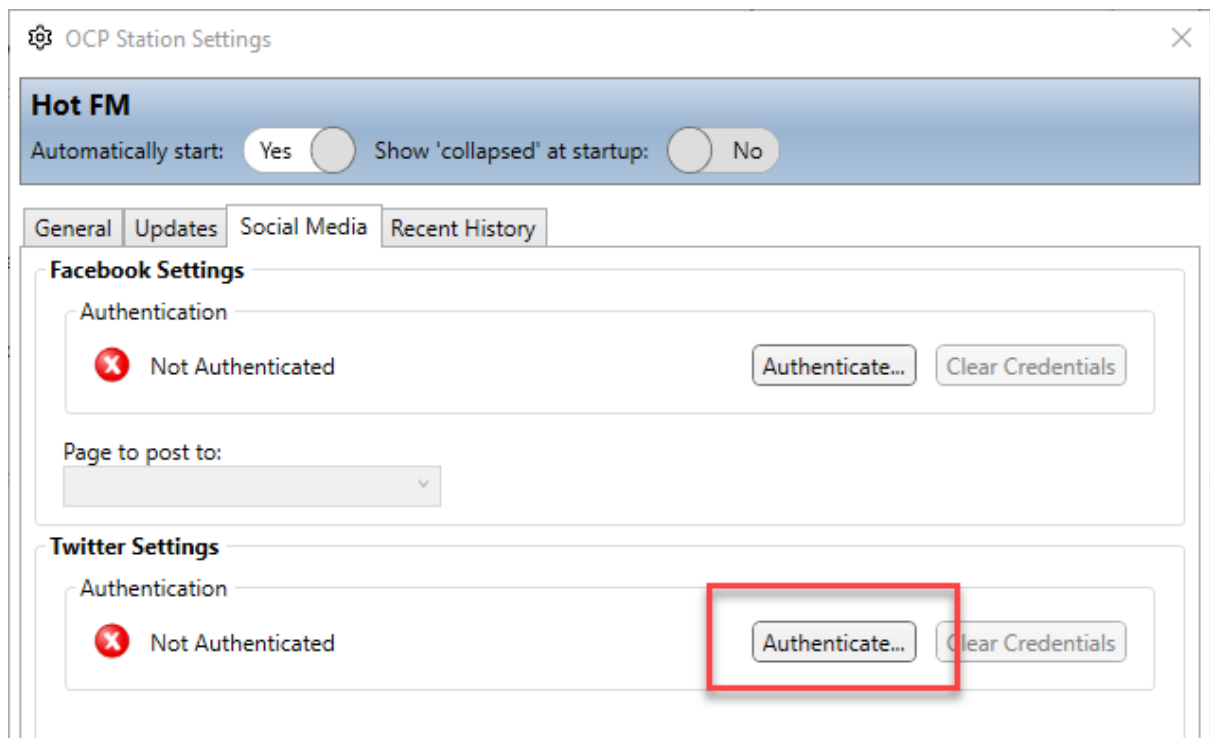


Remember to select the Page you want to post to using the **Page To Post To** drop down.

If you want to clear the credentials so that OCP 5 cannot post to Facebook, click on **Clear Credentials**.

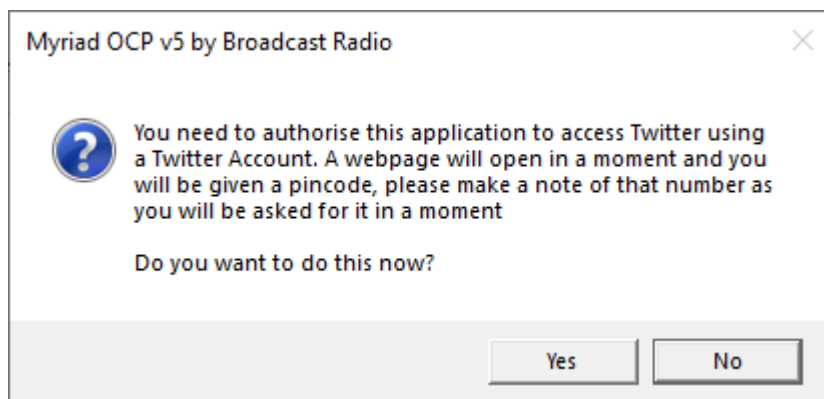
Authenticate Twitter

The process for granting access to Twitter is similar to Facebook. Click on the **Authenticate** button in the Twitter section.



You will see a message box telling you that Twitter needs to open a webpage to authenticate OCP 5 access. Click on **Yes**.

Please note that second window will also pop-up which is used to enter the unique code Twitter provides but that is not used until later in the process so ignore that for now.



A webpage will open in your default browser. Login to Twitter using your Twitter username and password. Type in your Twitter username and password and then click on **Authorise App**.

Please note that if you are already logged into Twitter on the PC you are working on, you may not have to re-enter your username or password.



Authorize Broadcast Radio Myriad OCP to access your account?

Authorize app

Cancel



Broadcast Radio Myriad OCP

By Broadcast Radio Ltd.
www.broadcastradio.com

Allows Myriad Payout to send Tweets

[Privacy Policy](#)

[Terms and Conditions](#)

This application will be able to:

- See Tweets from your timeline (including protected Tweets) as well as your Lists and collections.
- See your Twitter profile information and account settings.
- See accounts you follow, mute, and block.
- Follow and unfollow accounts for you.
- Update your profile and account settings.
- Post and delete Tweets for you, and engage with Tweets posted by others (Like, un-Like, or reply to a Tweet, Retweet, etc.) for you.
- Create, manage, and delete Lists and collections for you.
- Mute, block, and report accounts for you.

Learn more about third-party app permissions in the [Help Center](#).

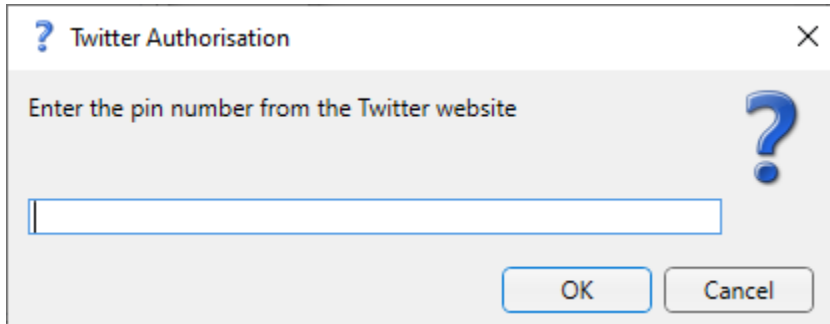
Once you have clicked on the Authorise button, Twitter will display a unique pin number that you need to make a note of. We commend copying it.

You've granted access to Broadcast Radio Myriad OCP!

Next, return to Broadcast Radio Myriad OCP and enter this PIN to complete the authorization process:

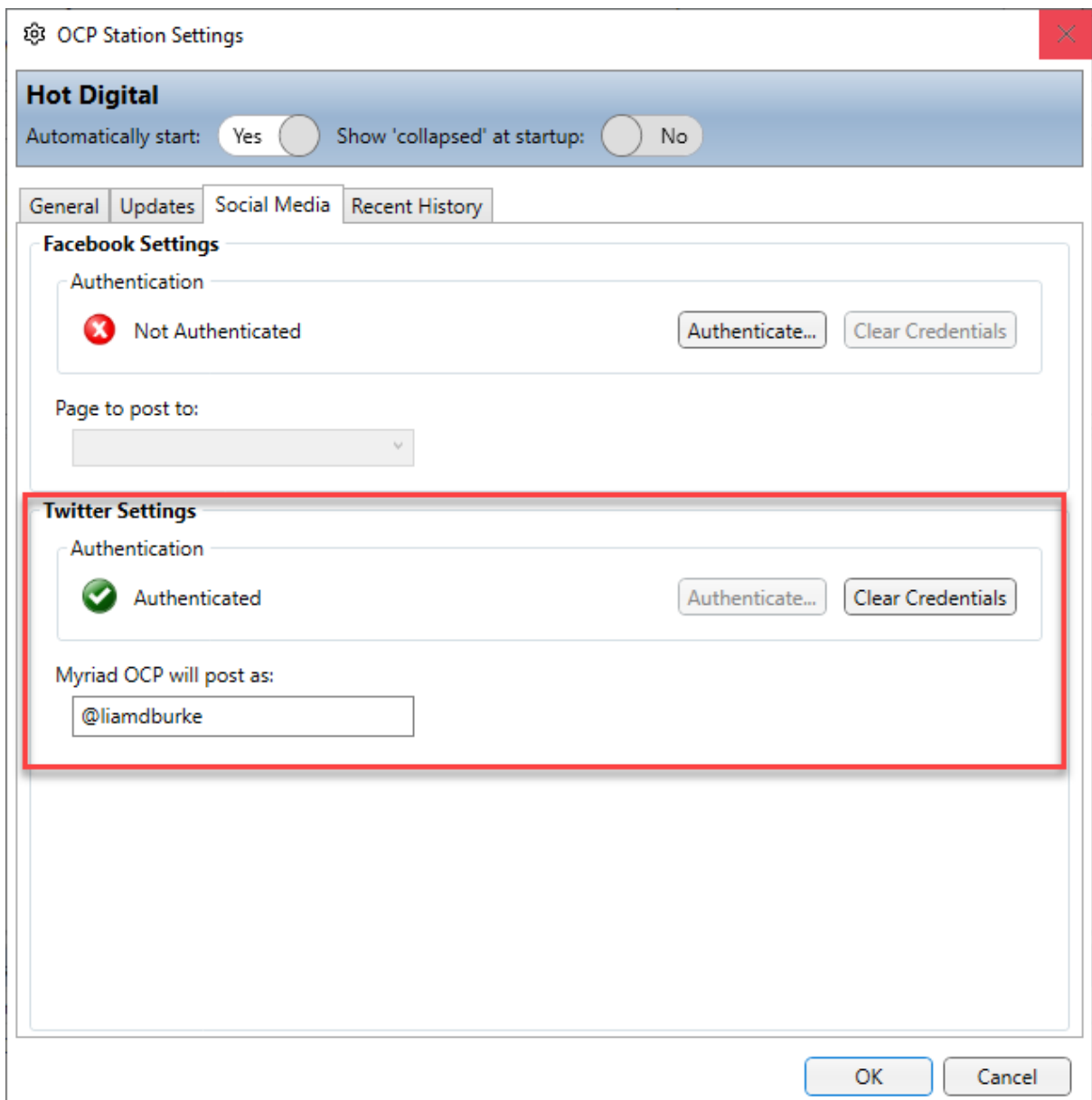
922 [REDACTED] 2

Earlier you will have seen a separate windows popup that is asking for the pin number from the Twitter website, we said ignore it at the time!



Now that you have the pin number from Twitter, type or paste it in here and click on **OK**.

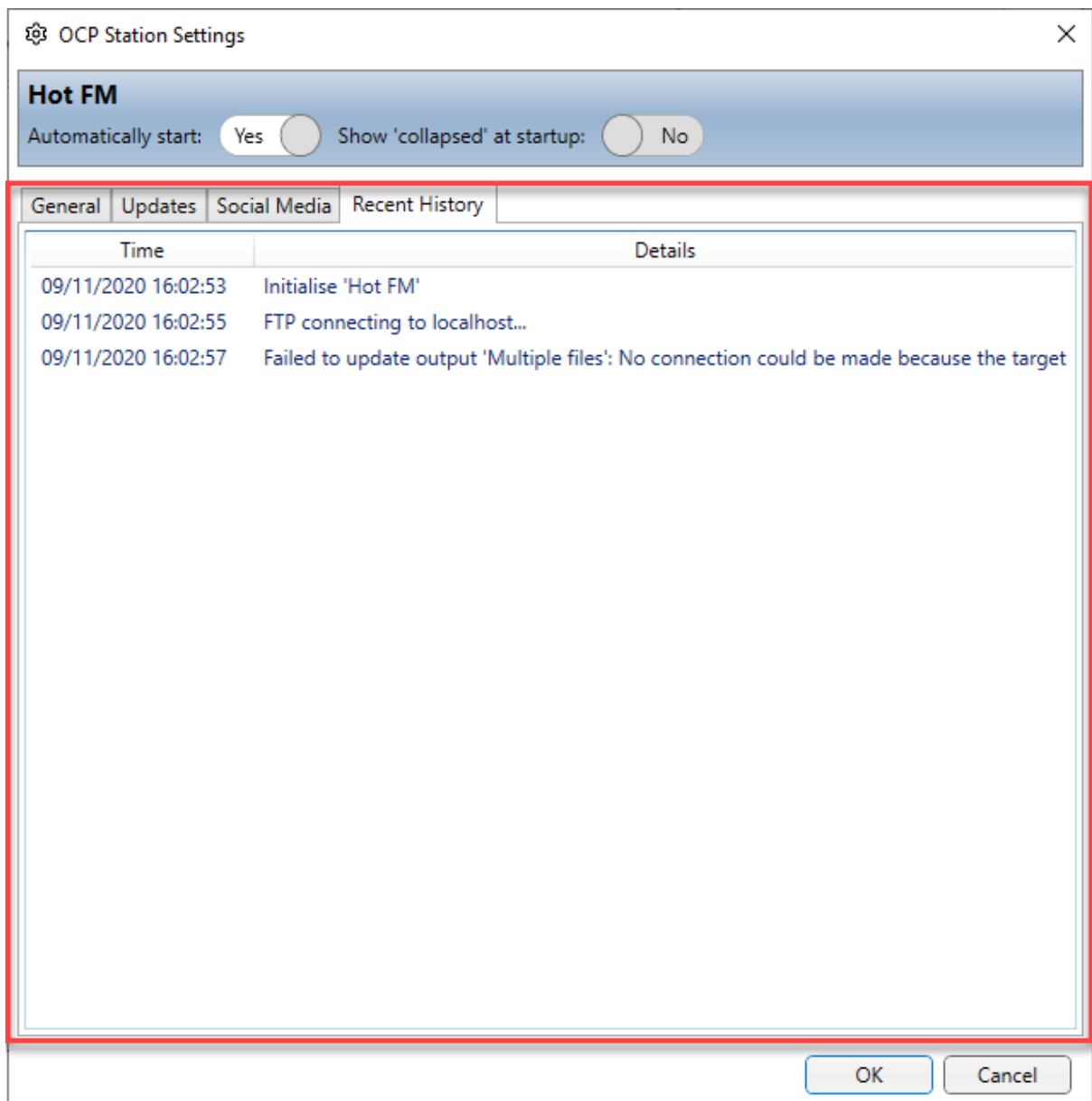
OCP 5 will now be authorised to post tweets to the selected Twitter account.



You can remove the authorisation by clicking on the **Clear Credentials** button.

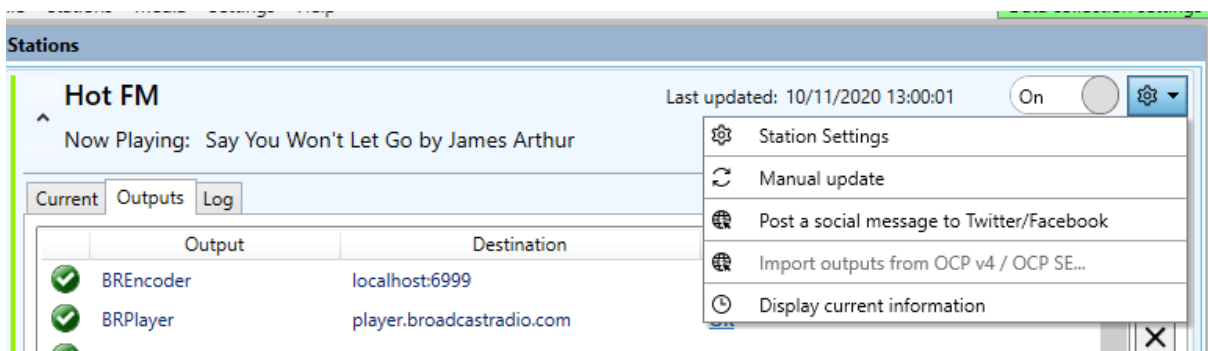
Recent History Tab

The Recent History tab shows a list of recent events logged in association with this Station.



Other Station Options

In addition to the standard Settings you can also access other Station related options from the Station drop down menu.



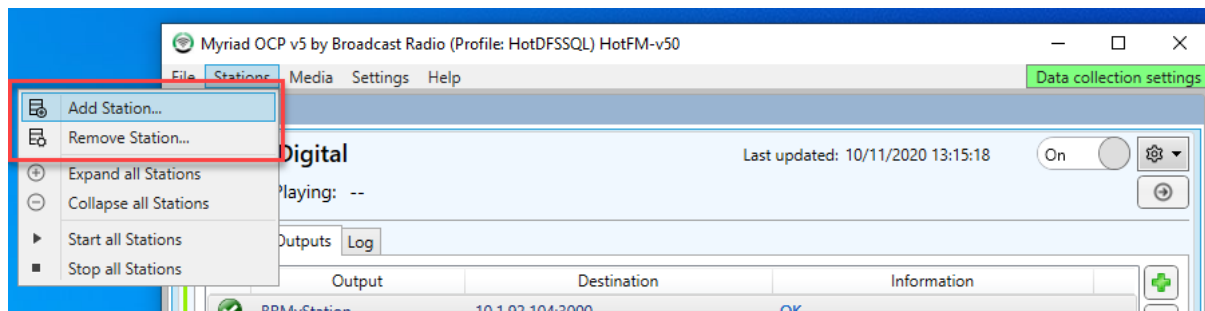
- **Station Settings** – Access the basic settings for the Station.
- **Manual Update** – Manually override the information OCP 5 sends to the Outputs (good for testing).
- **Post Social Message To Twitter / Facebook** – Manually send a message to Twitter or Facebook directly from OCP (good for testing)

- **Import Output From OCP 4 / SE** – If you have previously used OCP 4 or OCP SE and want to import your Outputs into OCP 5, you can do so with this option.
- **Display Current Information** – This shows all the current and recent information that OCP 5 has received from Myriad 5 Playout (good for diagnostics)

Item	Index	Type	Media Id	Information
Previous	8	Empty	0	
Previous	7	Empty	0	
Previous	6	Song	10271	Poor Leno by Royksopp
Previous	5	Song	10132	No by Meghan Trainor
Previous	4	Song	10132	No by Meghan Trainor
Previous	3	Song	10199	Say You Won't Let Go by James Arthur
Previous	2	Song	10009	Back Here by BB Mak
Previous	1	Song	10009	Back Here by BB Mak
Current	--	Link	8	Simon Hirst Promo by Hot FM
Next	1	Song	10282	Radio by Robbie Williams
Next	2	Song	10366	No One by Jess Glynne
Next	3	Link	7	Top of Hour Promo 2 by Hot FM
Next	4	Song	10297	Never Miss A Beat by Kaiser Chiefs
Next	5	Song	10044	No Air by Jordin Sparks with Chris Brown

Adding & Removing Stations

If you are licensed for OCP 5 Pro then you can add more than one Station to your system. This is done via the **Stations Menu**

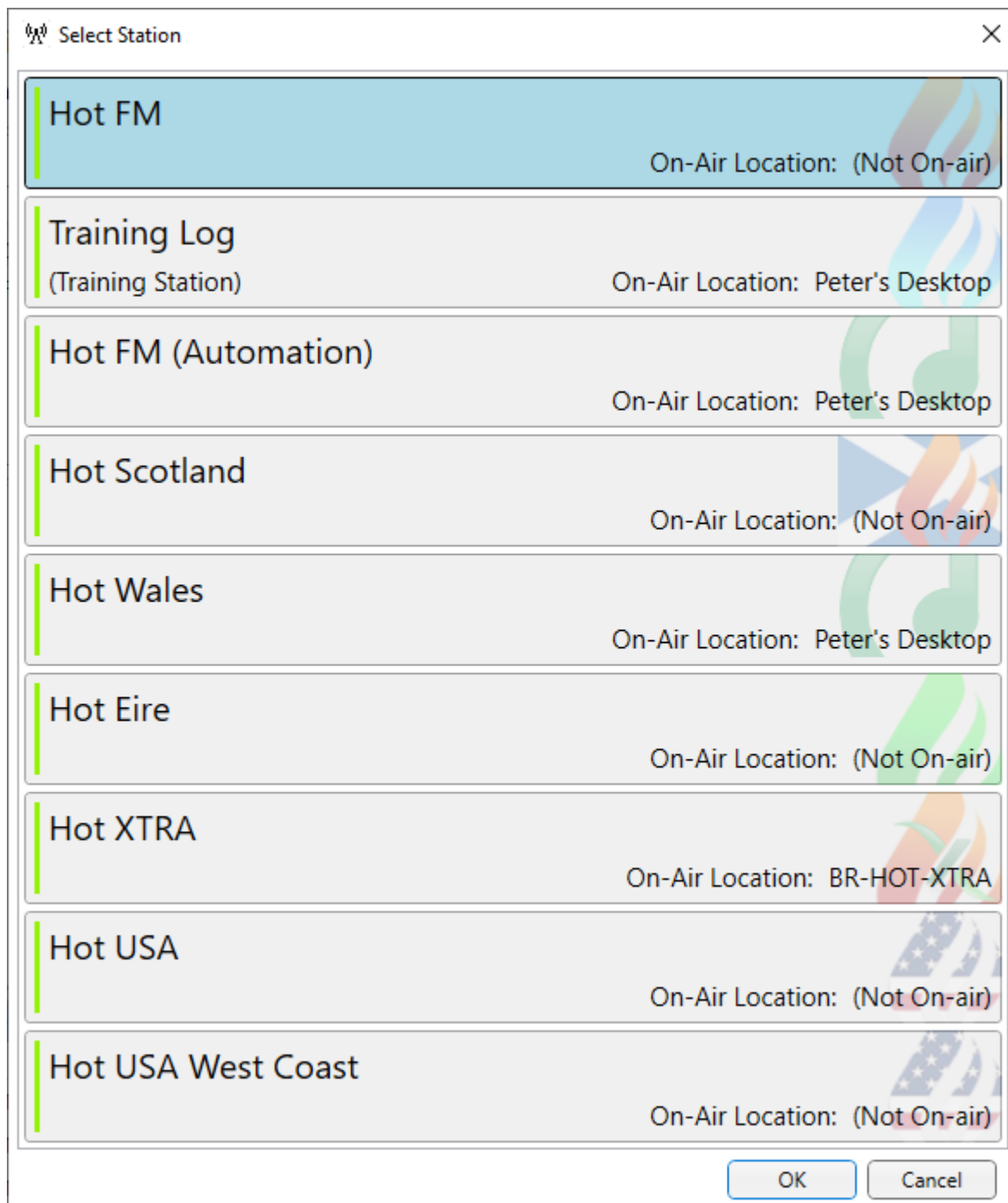


Adding A New Station

Unlike previous versions of OCP, all OCP 5 settings are actually stored centrally for each Station (within the overall Myriad Database). You can select what Stations are updated by individual OCP 5 instances but all the settings are stored in the main Myriad Database.

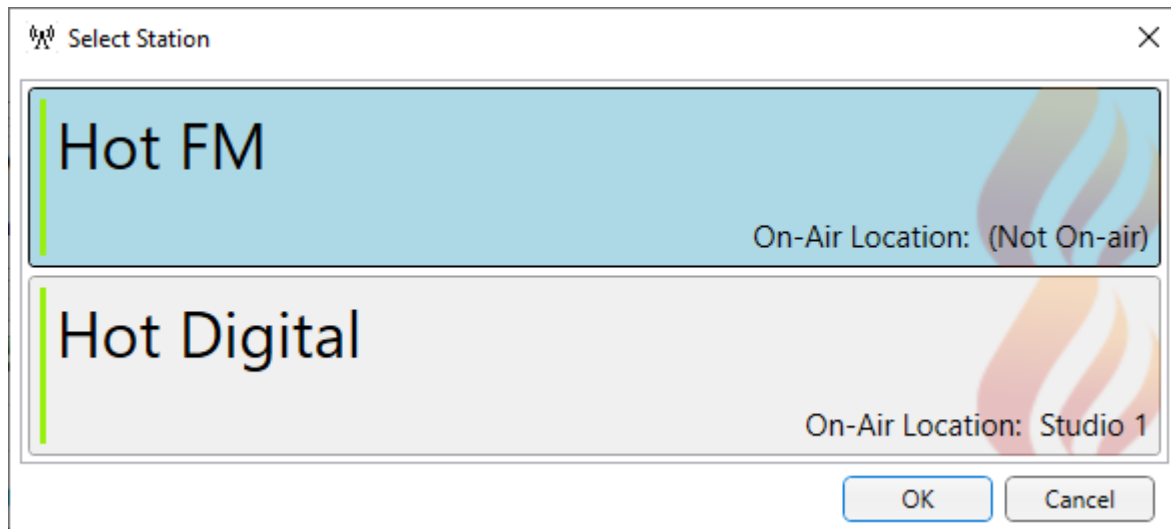
That means, in order to add a new Station, all you need to do is click on the **Station Menu > Add Station** option.

You then select the Station you want to add to OCP from the list.



Removing Stations

Removing a Station from OCP is equally simple. Click on the **Station Menu > Remove Station** option, select the station you want to remove from the list and click on **OK**.

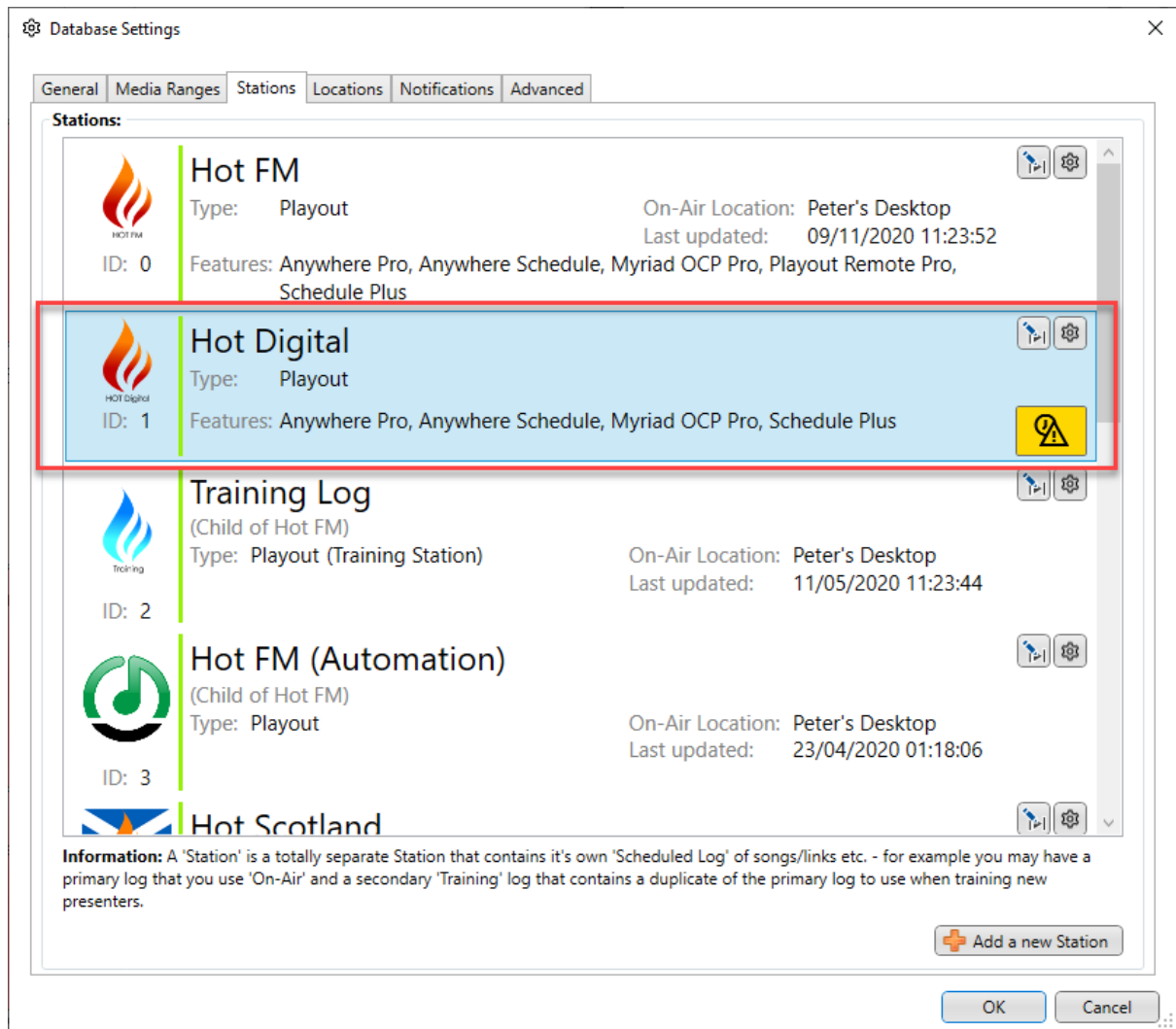


Please note that this will remove the Station from this instance of OCP 5 but not remove the Station OCP settings from the Station Database making it easy to move to another instance of OCP 5.

[Setting Up Myriad 5 Playout To Send To OCP 5](#)

Now that OCP 5 is configured, it is time to setup Myriad 5 Playout to be able to send information to OCP 5.

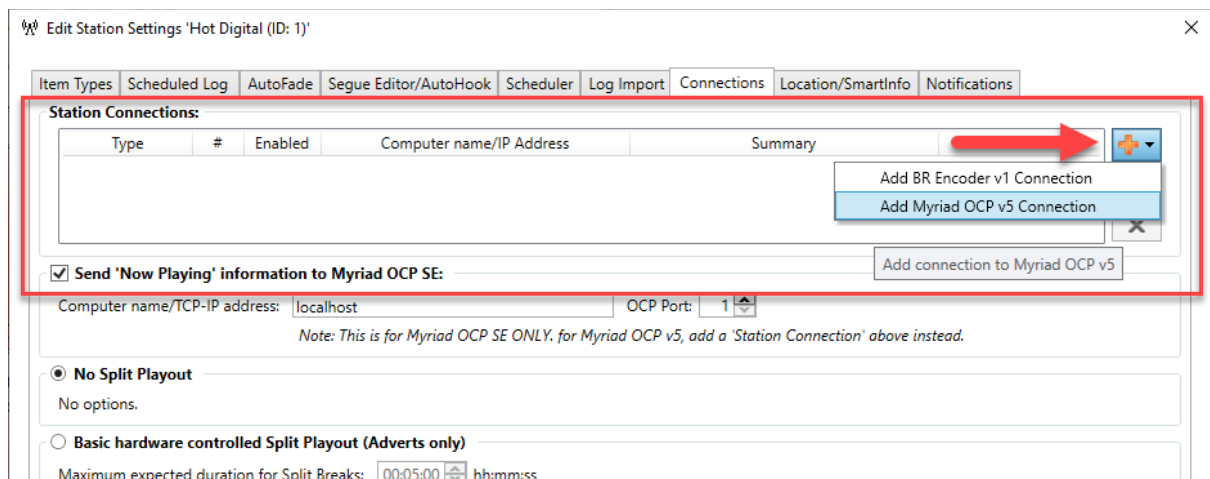
In Myriad Playout (logged in with a User account with sufficient permissions to alter the settings), click on **Settings Menu > Database Settings > Database Setting** then click on the **Stations Tab** and finally double click on the specific **Station** you want to setup OCP 5 for.



In the **Edit Station Settings** windows, click on the **Connections** tab. This tab allows you to setup the connections to a range of Broadcast Radio family products including OCP 5.

Ignore the **Send Now Playing Information To Myriad OCP SE** setting, that is only used for OCP SE, not OCP 5!

In the **Station Connections** area, click on the + button to drop down a list of potential connections and selects **Myriad OCP v5 Connection** from the list.



This will open the OCP 5 Connection settings for Myriad 5 Payout.

Connection settings

Basic Connection Settings

Computer Name/IP Address:
localhost

Encoder External Reference:
HotDigital

Note: This must match the 'OCP Station Reference' set in the Myriad OCP Station Settings window

Connection Options

Connection is enabled

OK Cancel

Add the following details:

- **Computer Name / IP Address** – You can add in the computer name or IP address of the PC that OCP 5 is running on. If OCP is running on the same PC then you can put in 'localhost'.
- **Encoder External Reference** – This is the unique reference that OCP and Myriad will use to ensure the correct information it passed to the correct OCP Station. This should be set to be exactly the same as the **OCP Station Reference** in the **OCP Station Settings**.
- **Connection Is Enabled** – You can toggle whether the connection is enabled or not.

When you are happy, click on **OK** and the OCP 5 Connection will be added to the Station Connection list.

Edit Station Settings 'Hot Digital (ID: 1)

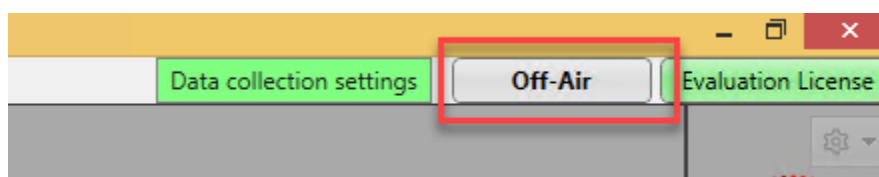
Item Types | Scheduled Log | AutoFade | Segue Editor/AutoHook | Scheduler | Log Import | Connections | Location/SmartInfo | Notifications

Station Connections:

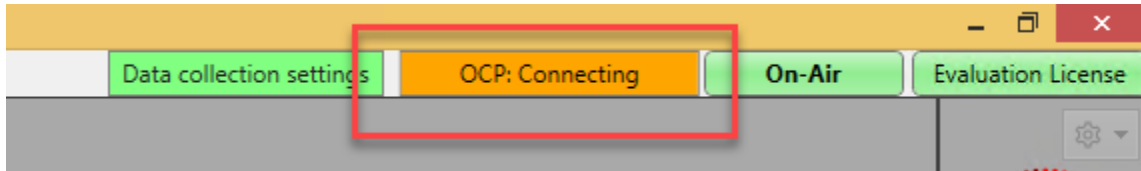
Type	#	Enabled	Computer name/IP Address	Summary
MyriadOCP5	1	Yes	localhost	HotDigital

Testing The Connection

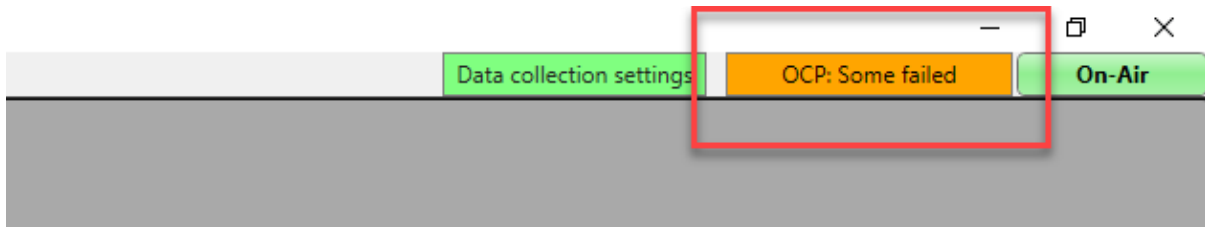
Now that you have configured both OCP 5 and Myriad Payout, you can test the connection by clicking on the **Off Air / On Air** button in Myriad Payout.



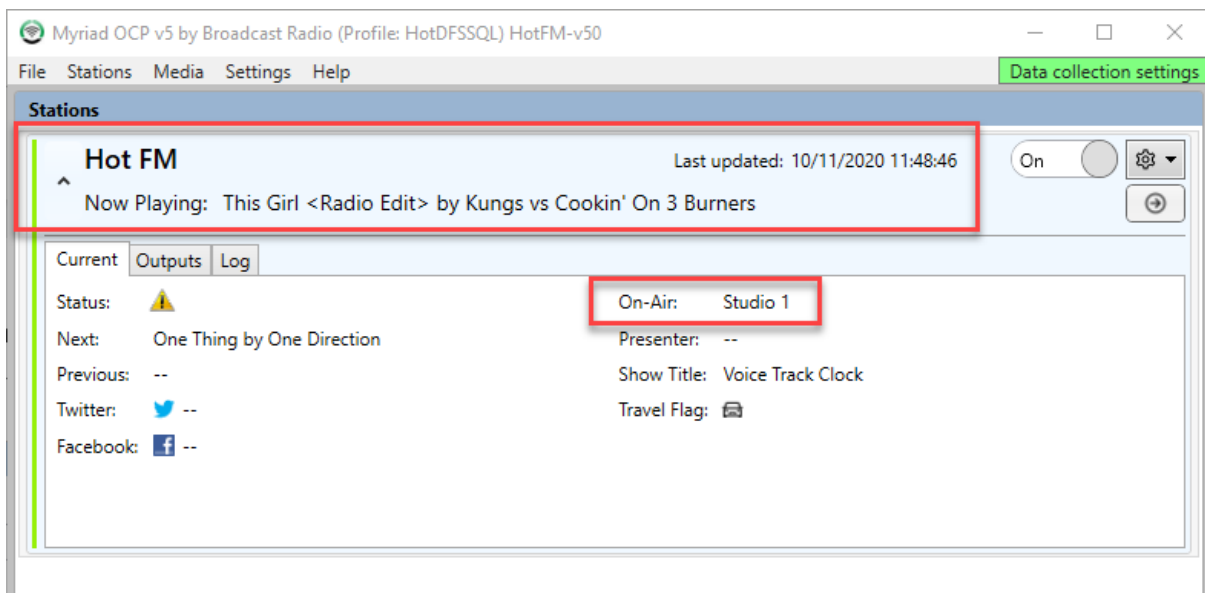
Click on the **Off Air** button (top right of Myriad Payout) to switch from Off Air to On Air. You will briefly see a '**OCP Connecting**' warning as Myriad Payout connects to OCP 5.



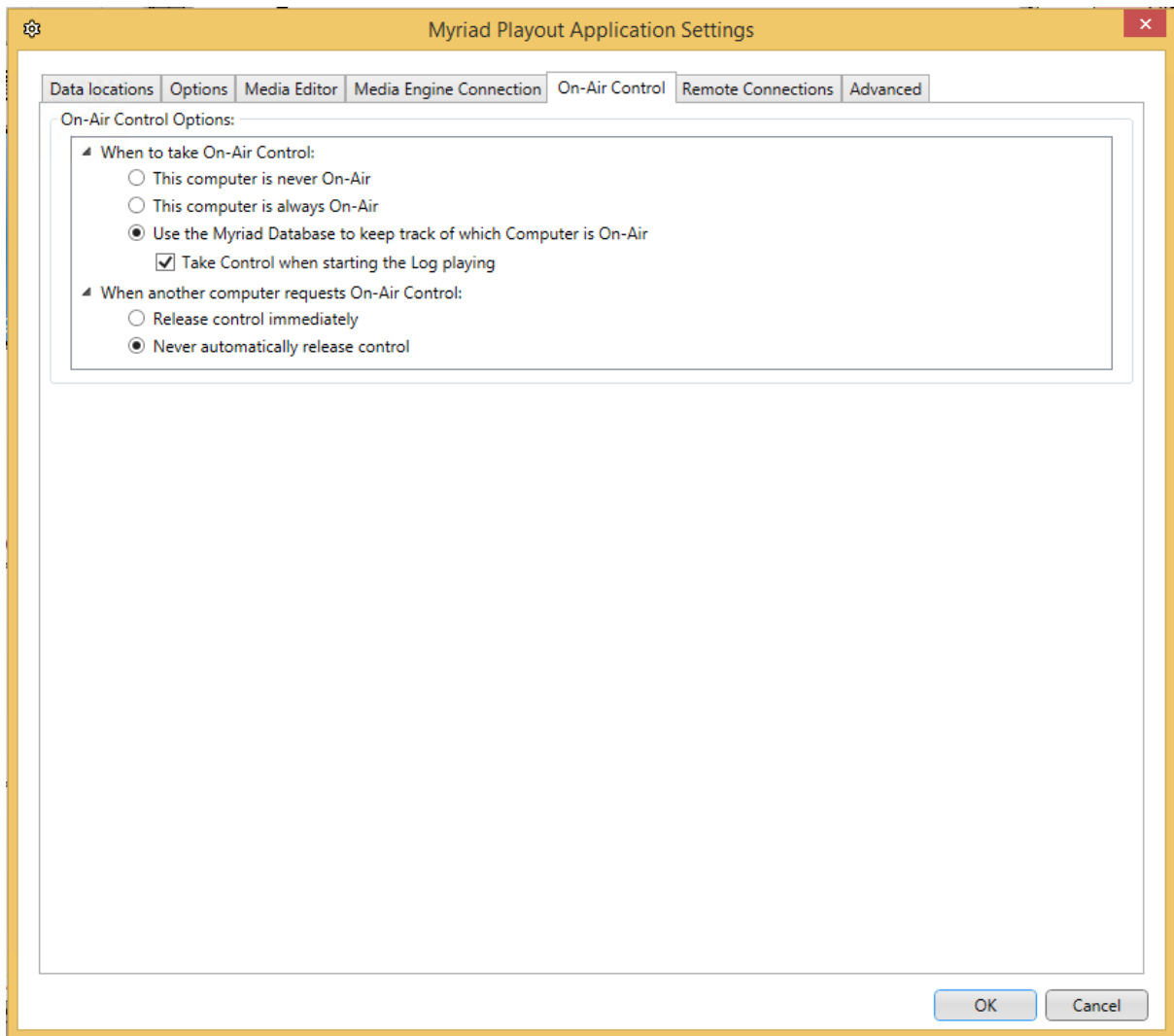
TIP: If your connection to OCP cannot be established or if one or more Outputs fail to execute correctly, an orange warning panel is displayed in Myriad 5 Payout to warn the On-Air studio.



If you switch to OCP 5, you will see that the top of the Station panel now has the current **Now Playing** information and you can also see which studio has On-Air control (Studio 1 in example below).

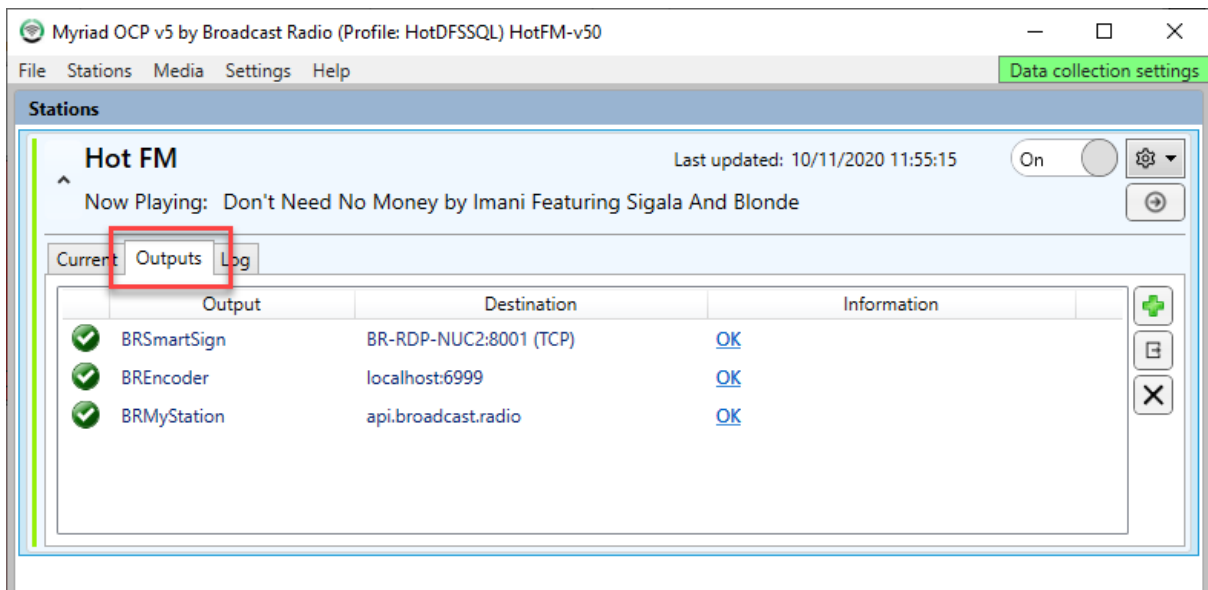


If you do not see an On-Air / Off-Air button in Myriad Payout, it may be that you need to review your On-Air settings in **Settings Menu > Application Settings** then the **On-Air Control** tab.

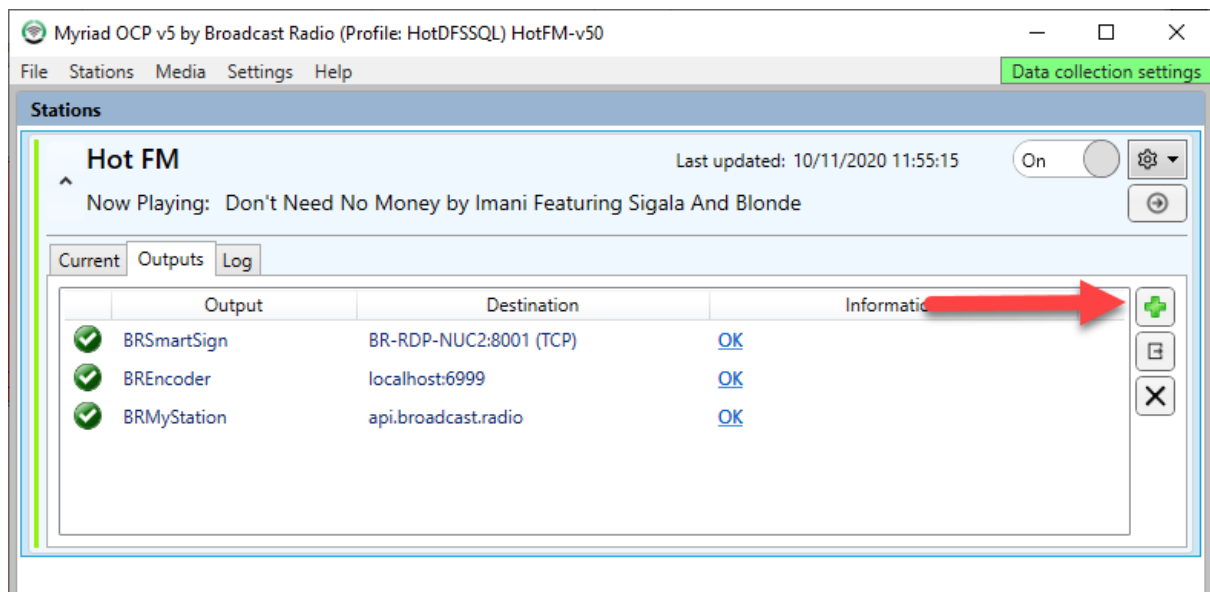


Example 1: Setting Up Your First Text File Output In OCP 5

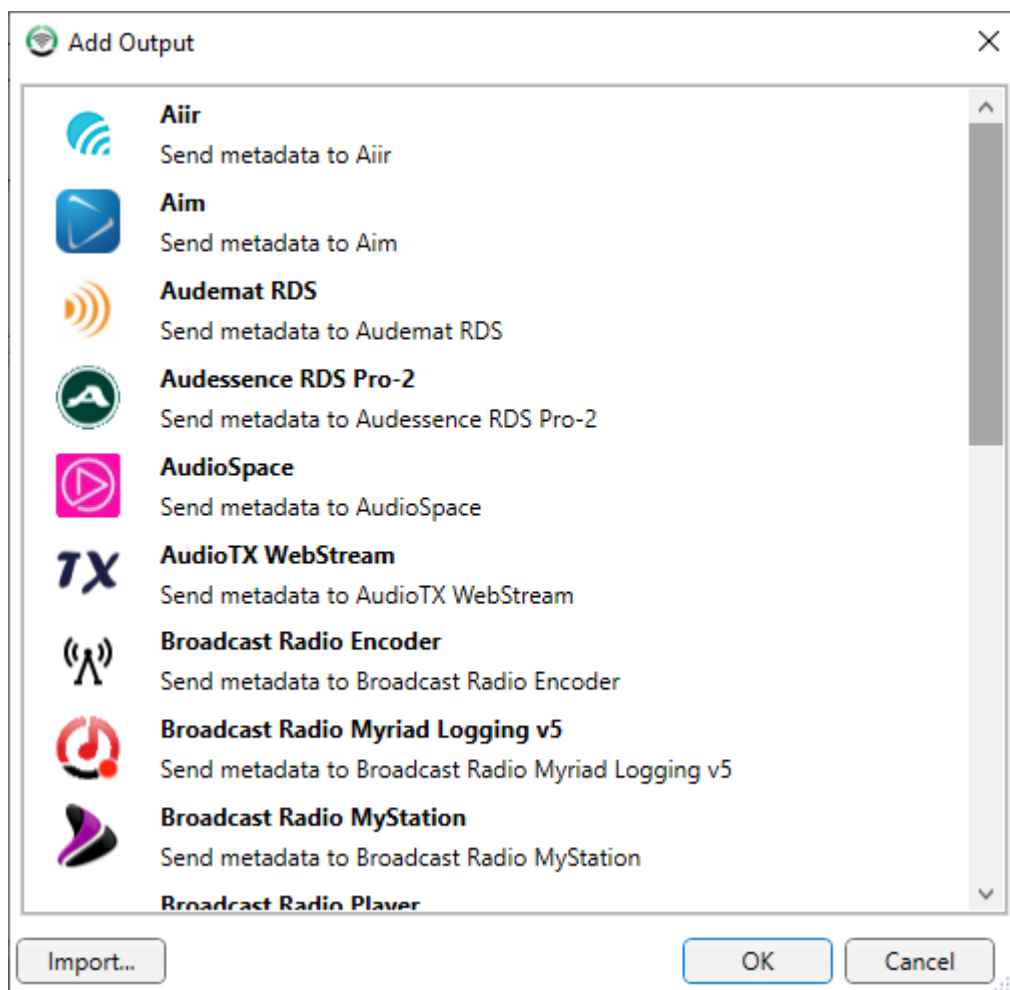
Now that OCP 5 and Myriad 5 Playout are talking to each other, let us take a look at adding a simple output. In OCP 5, click on the **Outputs** tab.



You can see that we already have a few Outputs setup in this example but lets add a simple File Output to that list. Click on the + button to add a new Output.

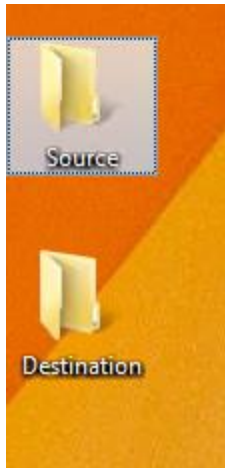


Next you will be asked what type of Output you want to add. Please note that the range of Outputs in standard OCP 5 is limited. A much wider range of outputs are included in OCP 5 Pro (see below).

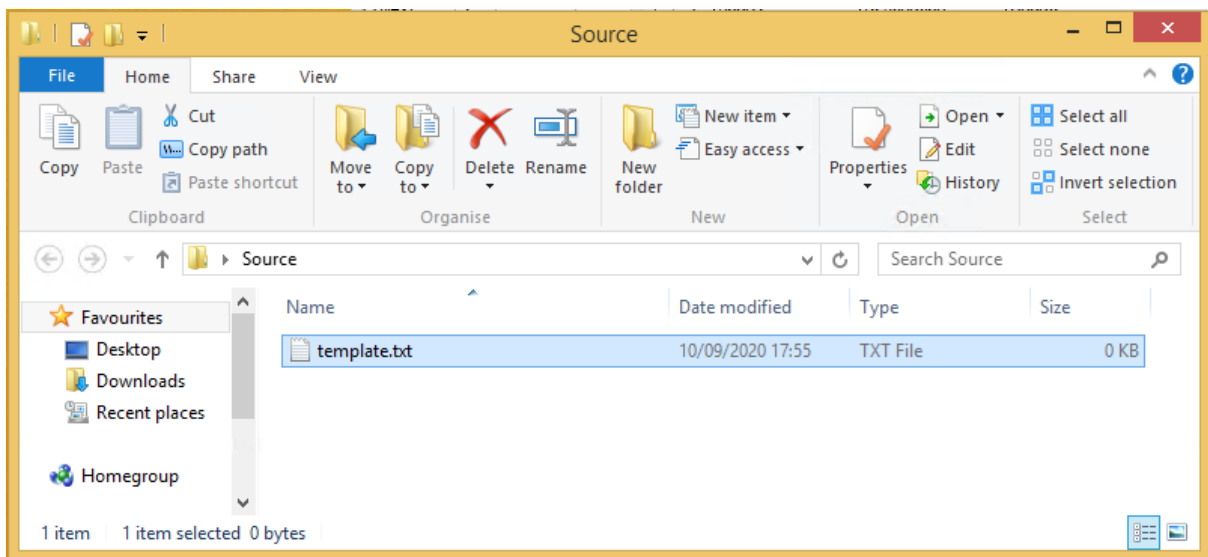


Let us add a simple file output which will take a 'template file' which contains special OCP Tags and replace these tags with 'Now Playing' information before updating a 'destination' file.

Before we get started, we will need to create a template file and a destination folder. Create two folders (source & destination) in a suitable location.



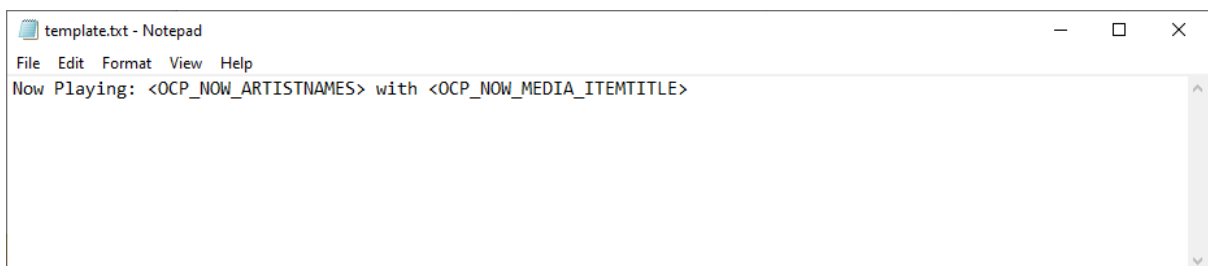
In the Source folder, create a new text file called template.txt.



In the 'template.txt' file and paste the following script in the text file.

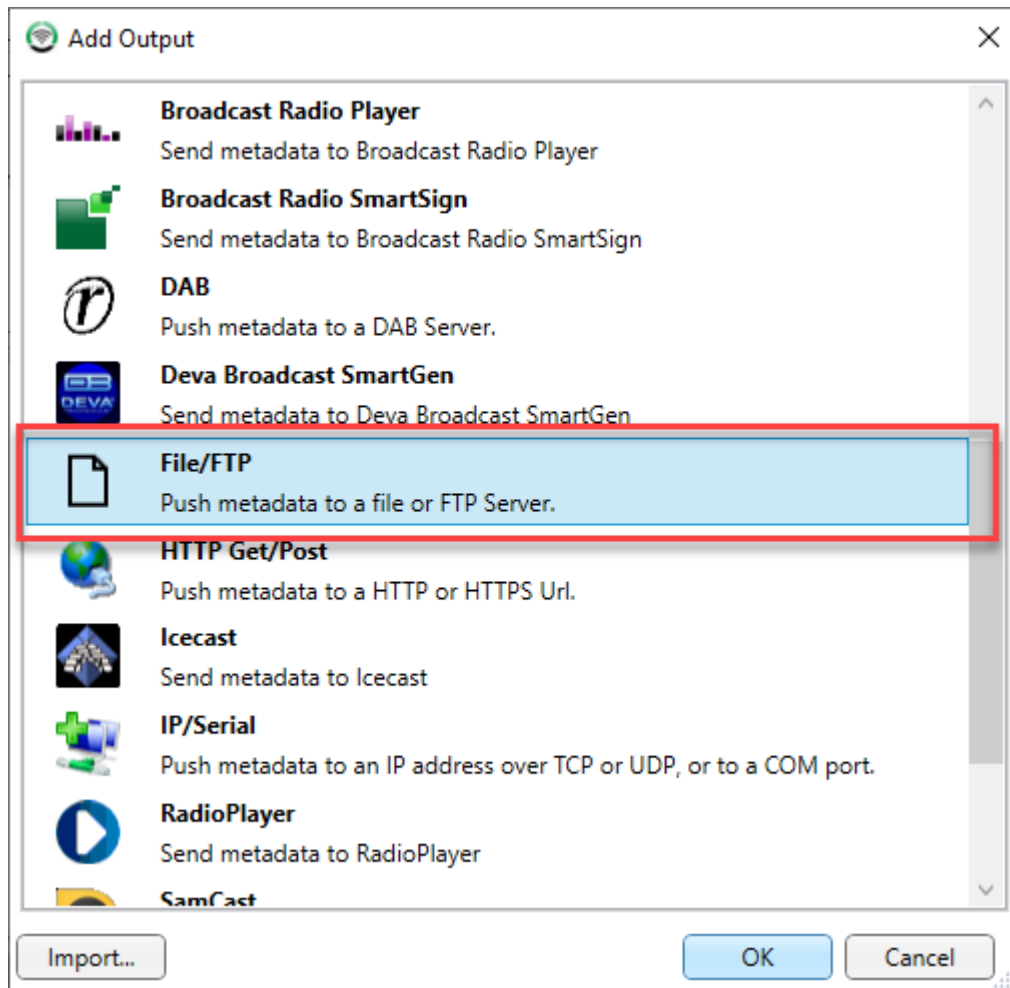
Now playing: <OCP_NOW_ARTISTNAMES> with <OCP_NOW_CART_ITEMTITLE>

TIP: You can substitute CART with MEDIA in all OCP tags, either will work.

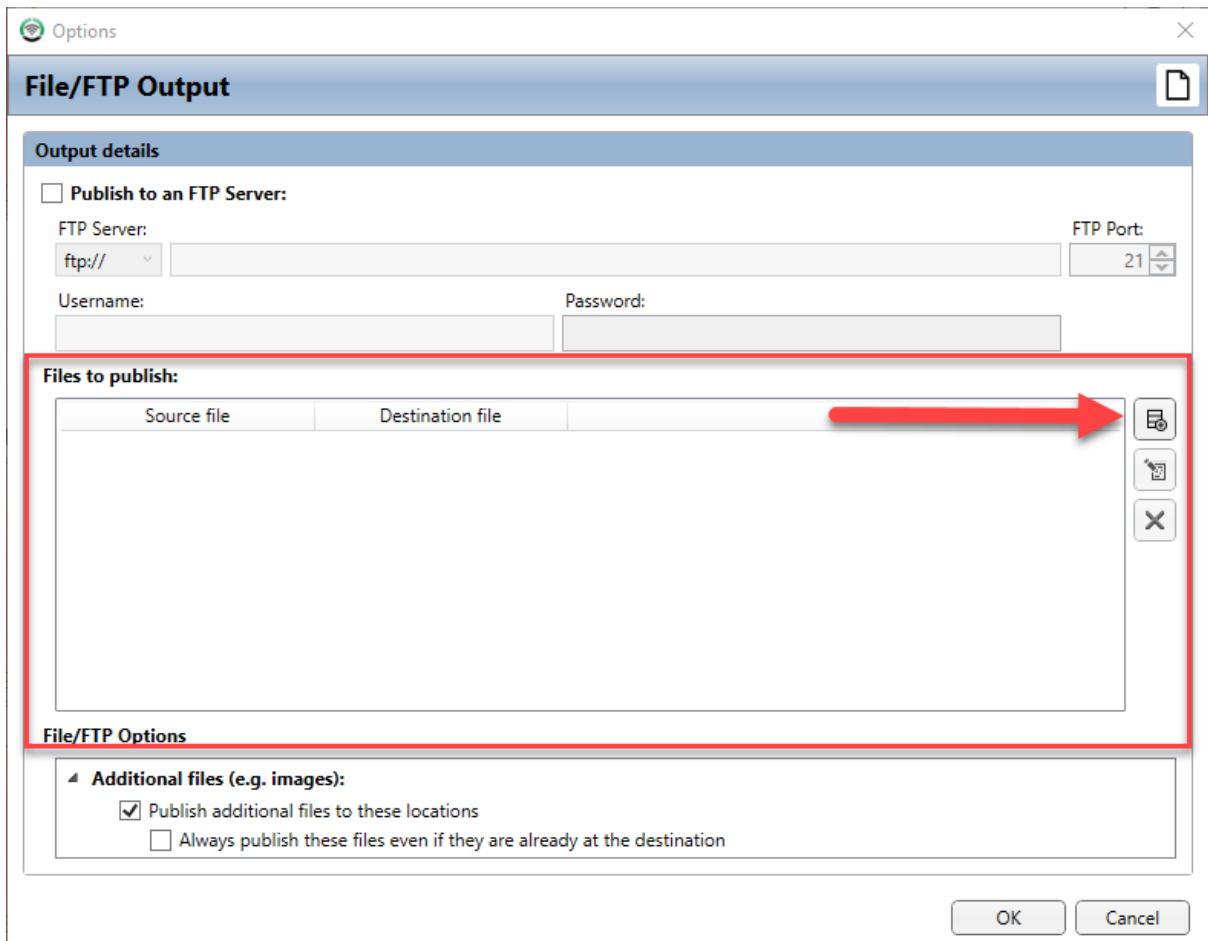


Save the file, this will be your template file for the OCP 5 Output.

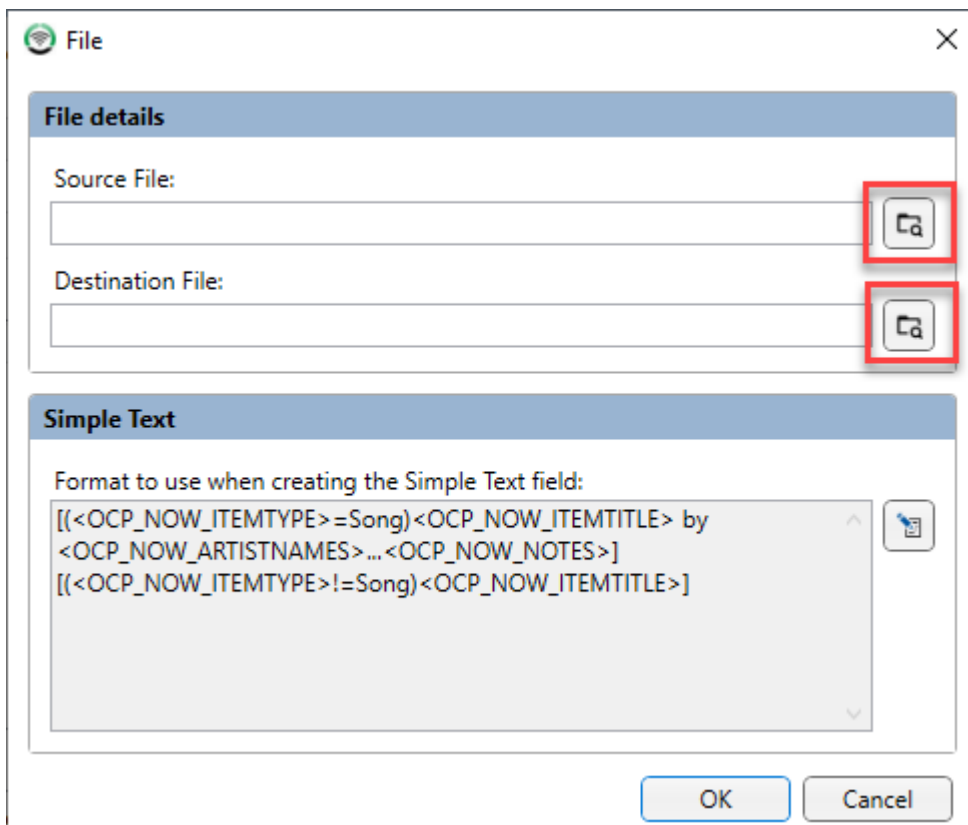
Back on OCP 5, Select the **File / FTP** option and click on OK.



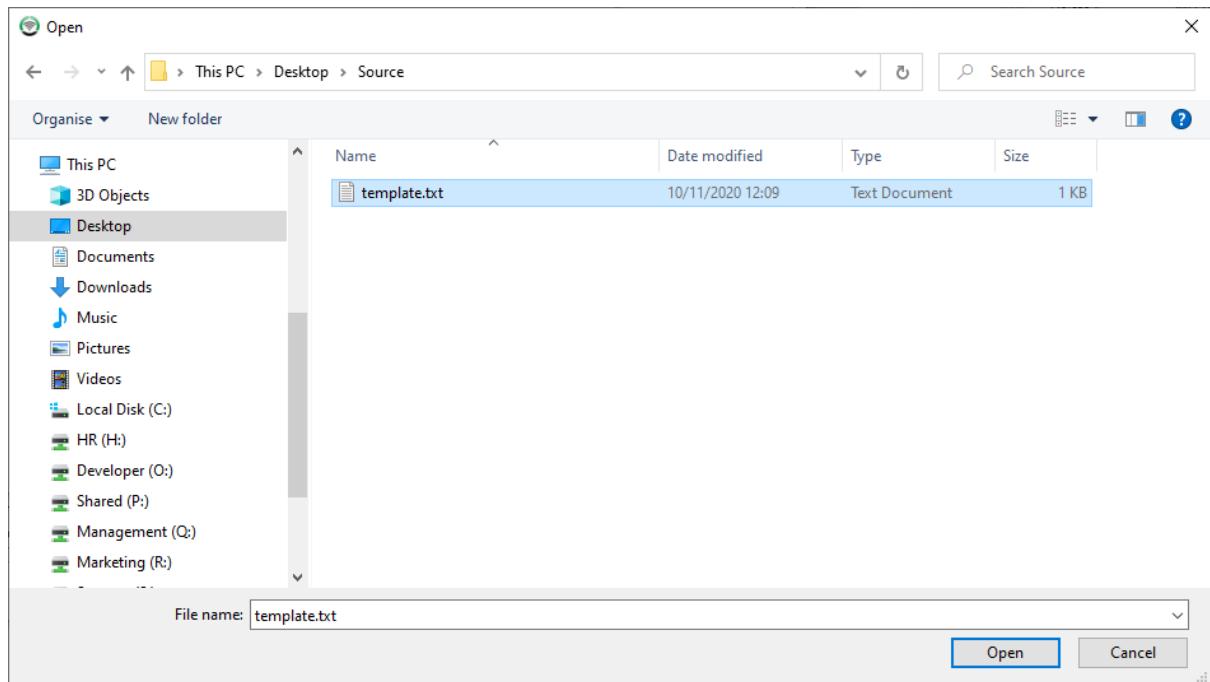
In the **Files To Publish** section, click on the **New Files** button to add in the Template and Destination file locations.



This will open the **File** window which allows you to browse to the Source (Template) and Destination File locations.

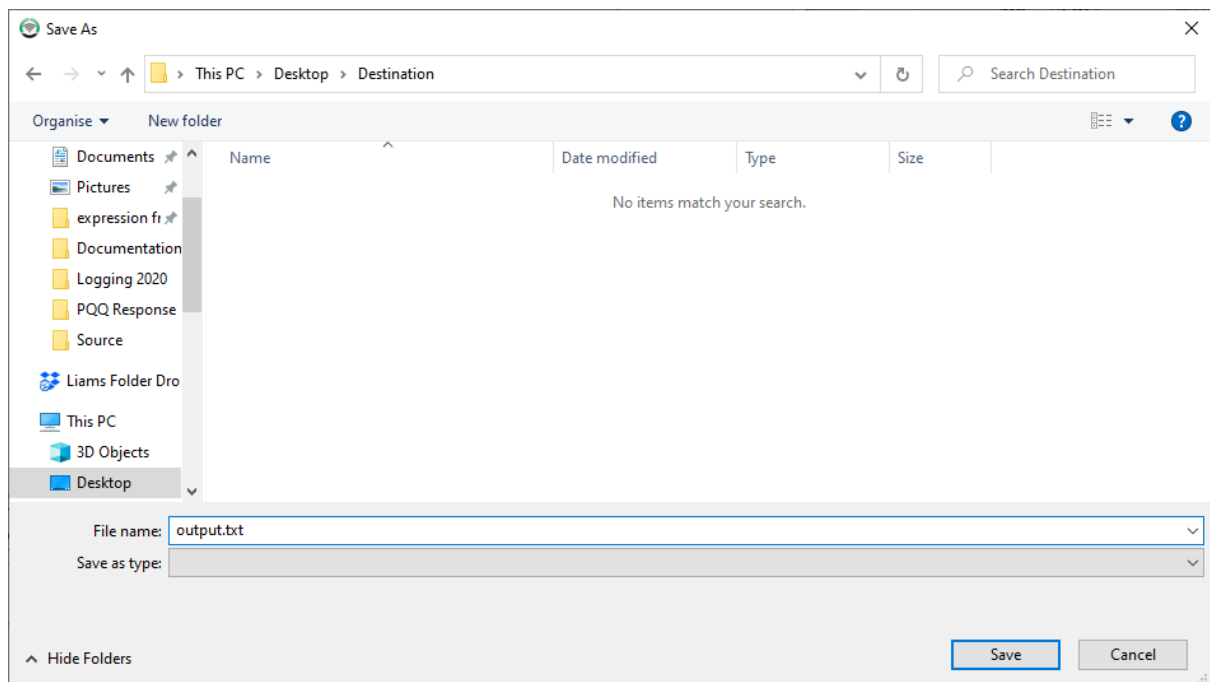


Click on the Browser button for the **Source File** and navigate to the 'source' folder you created earlier and select the Template.txt file.

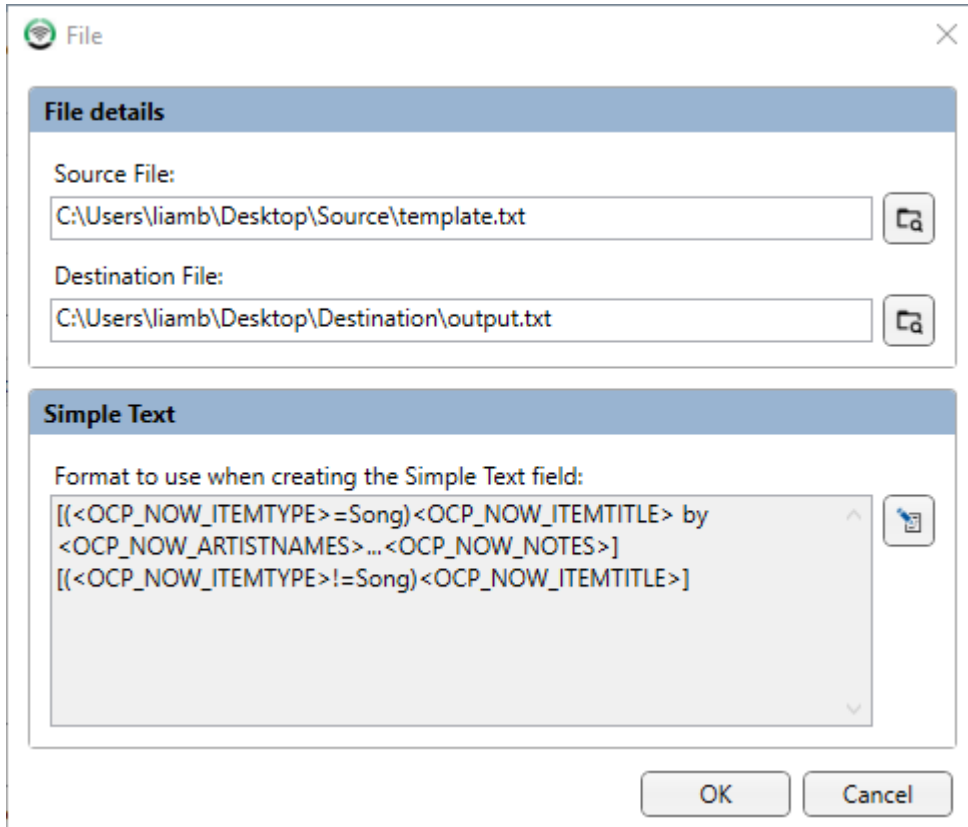


Next click on the Browse button for the **Destination** and select the folder you want to use for the destination file. Be careful to ensure it is different to the source location or you will overwrite the template file!

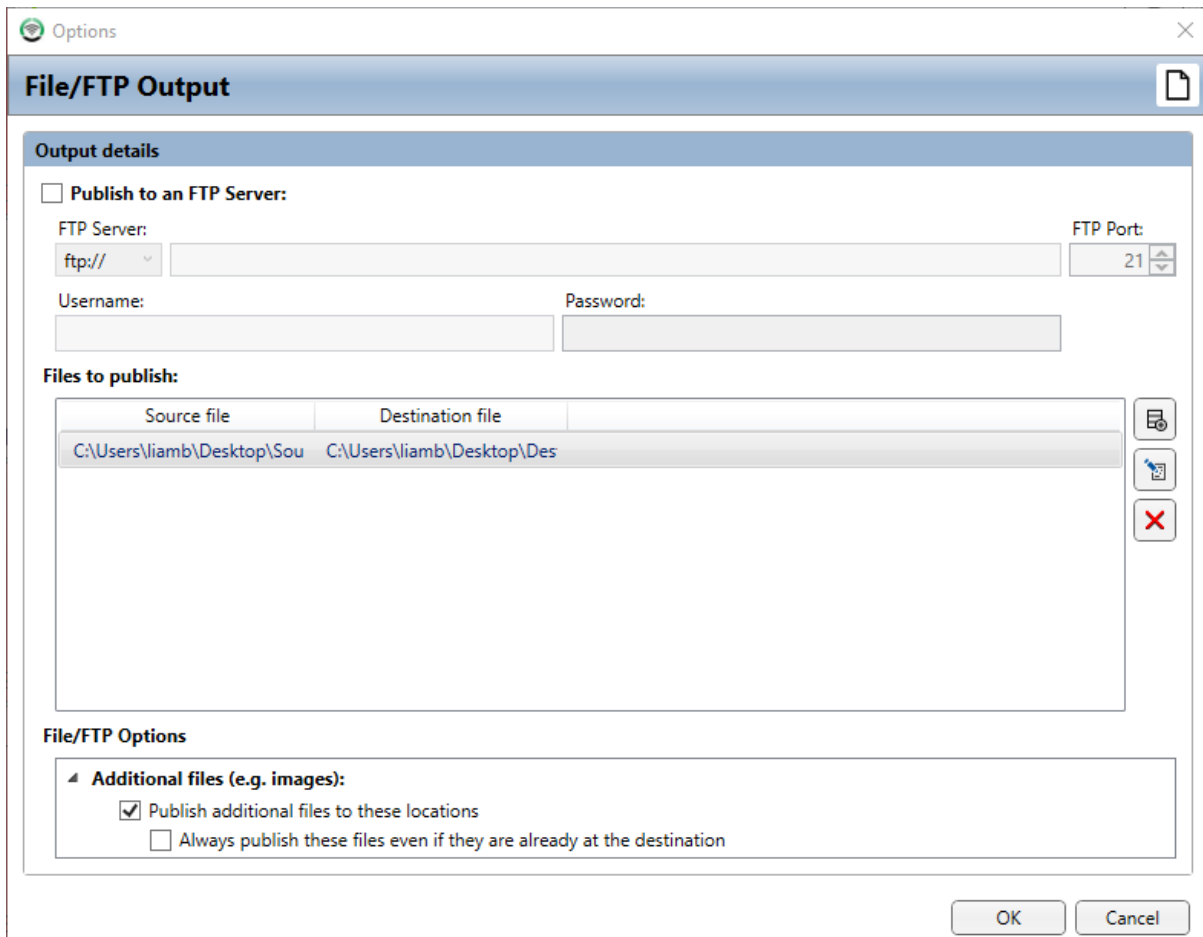
Navigate to the 'destination' folder you created earlier and give your output file a name. Remember to set the 'Save As Type' field to the type of file you want to output.



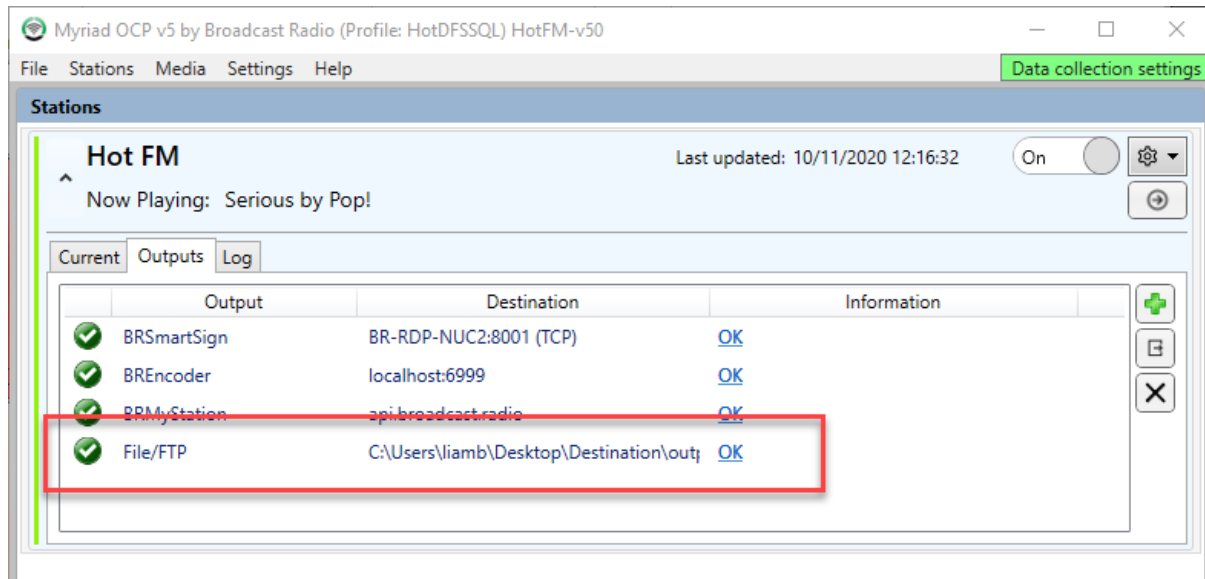
Review the settings then click on **Save**.



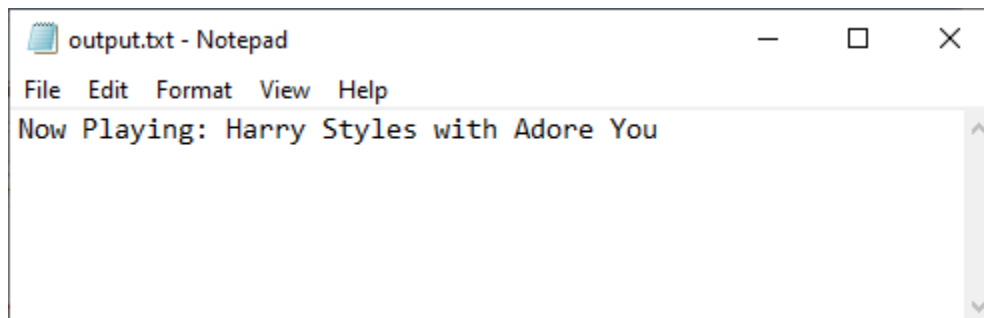
The File / FTP Output configuration window also allows you to setup automatic FTP upload for the output files but we will not be using FTP in his example. Click on **OK** to close the window.



You can now see the File /FTP Output has been added to the list of Outputs in OCP 5 and that the status shows that the Output file has been successfully updated.



Let us take a look at the output.txt file OCP 5 has created.



As you can see the <OCP_NOW_ARTISTNAMES> and <OCP_NOW_CART_ITEMTITLE> tags have been replaced with the correct information from Myriad Playback.

Example 2: Setting Up The Broadcast Radio Player Output

If you are using the BR Player to allow listeners to access your web stream (hosted with us) then there is a simple, built in 'Output' for directly connecting.

You will need your unique API key which you can get from your BR Player Edit page.



Manage your API key

Re-generate API key

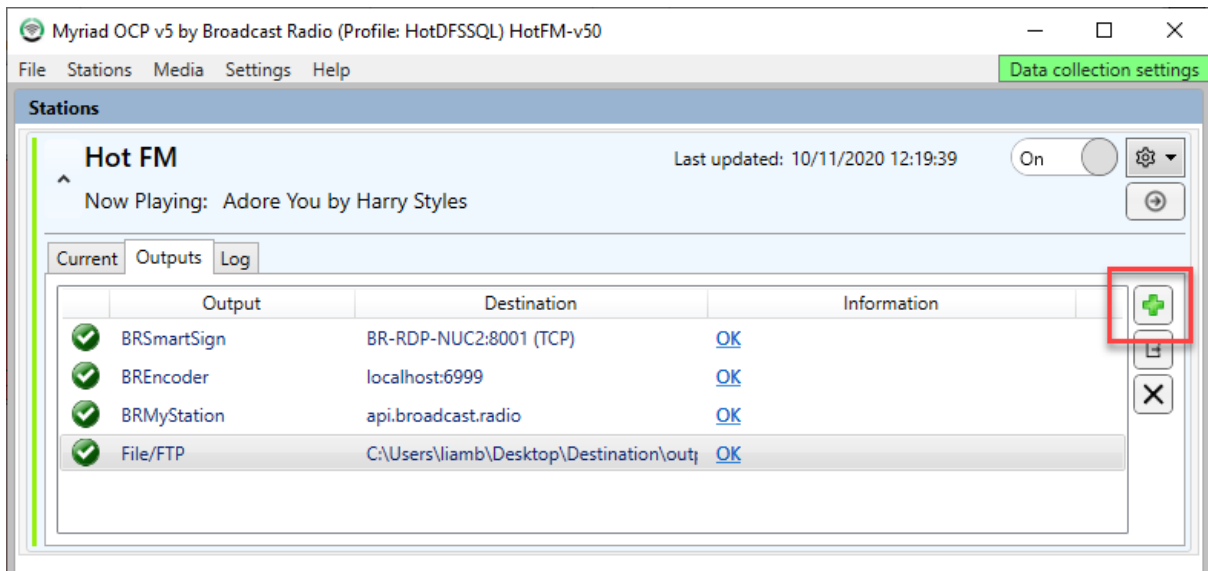
Your API key is: **7Jj06qiGr**

Your JSON feed is: <https://player.broadcastradio.com>

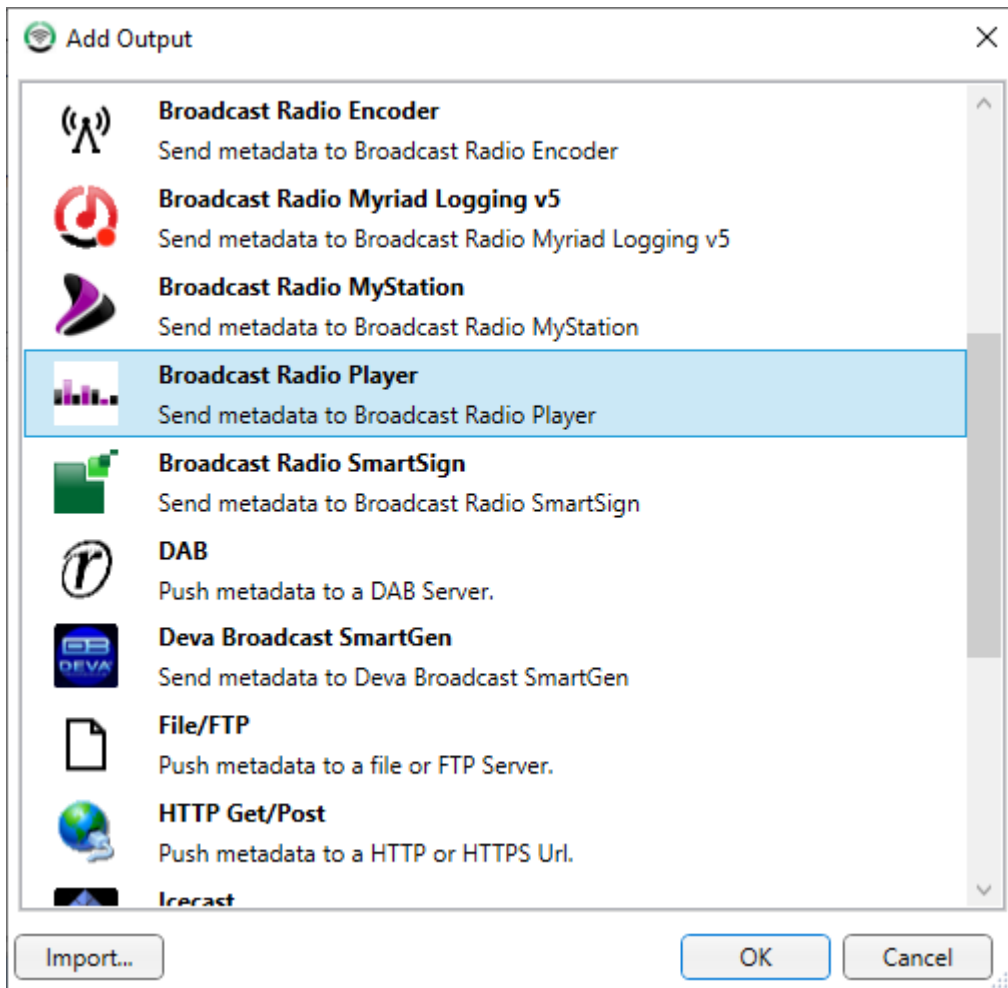
API specific URLs:

- GET: <https://player.broadcastradio.com>
- POST: <https://player.broadcastradio.com>

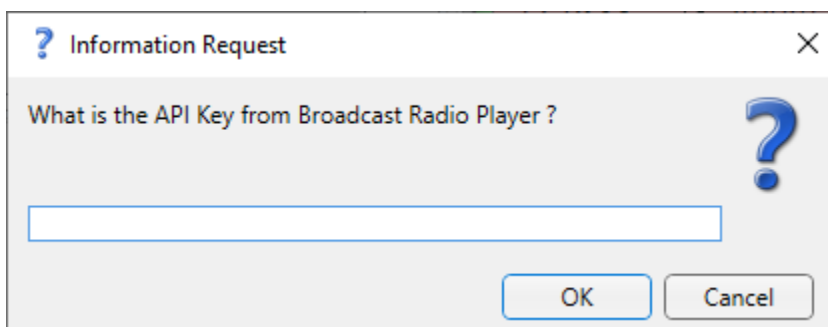
To add a BR Player Output, click on the **Add Output** button.



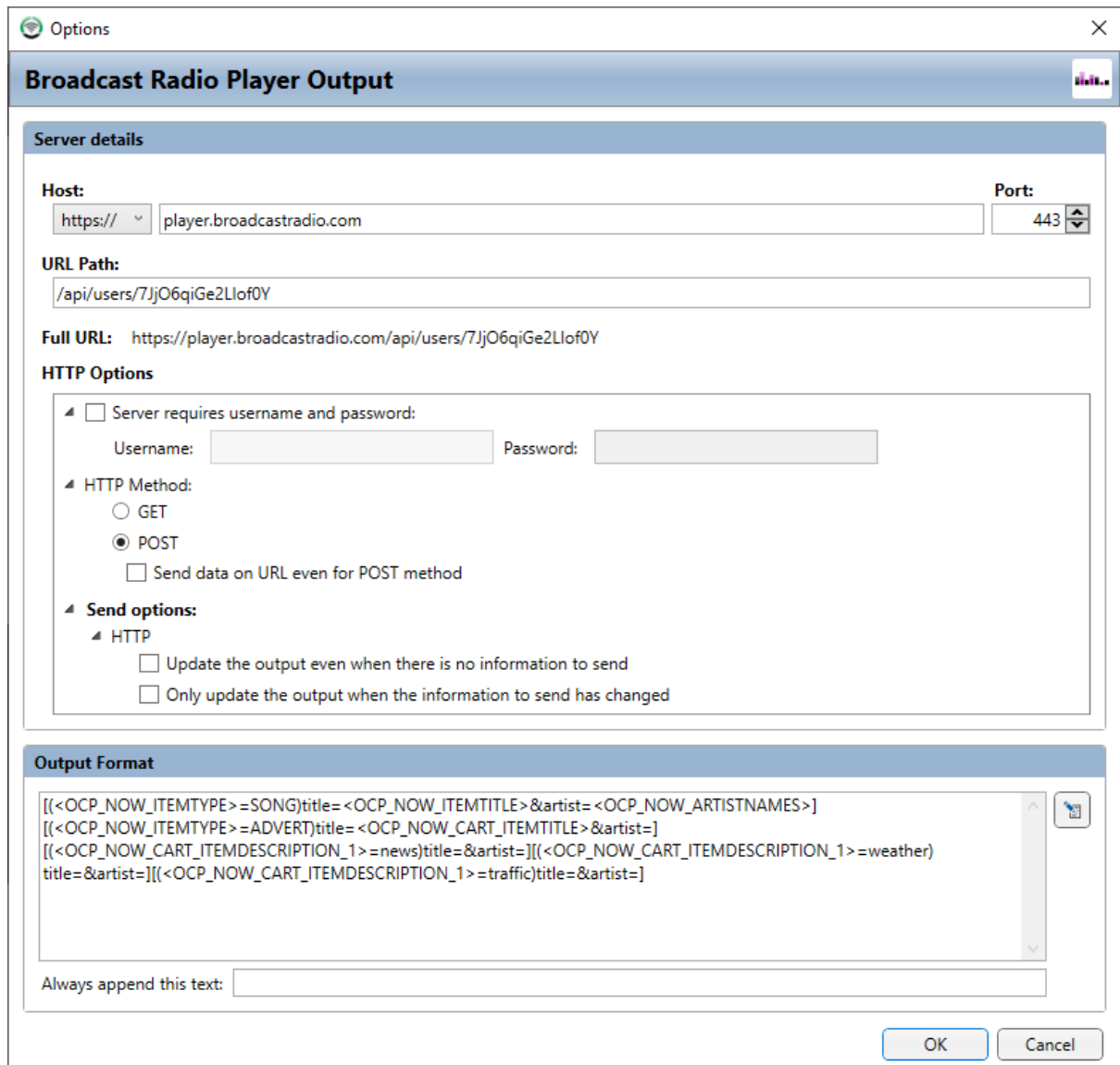
Selected the Broadcast Radio Payout output from the list. Please note that the screen show below is from OCP Pro so has an extended list of Outputs. OCP Standard will have a smaller list but the Broadcast Radio Player will still be available.



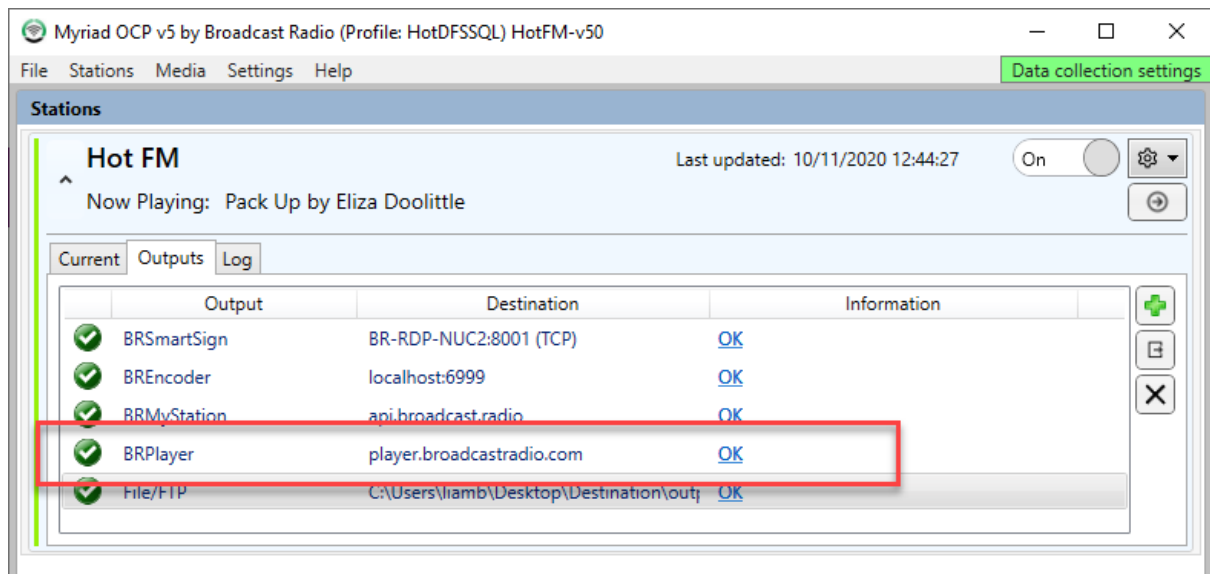
Next add your unique **API key** and Click OK.



You will see the settings for Broadcast Radio Player Output but there is no need to change anything (in fact you should not change anything). Click on OK to complete the process.



There are no other settings required so your BR Player Output is now fully configured.



Your BR Player should now show 'Now Playing' information.



BroadcastRadio

Now Playing:
**Kungs vs Cookin' On 3
Burners**
This Girl

Cloud Payout Demo

Cloud Payout offer all the power of a traditional radio station without the need to invest in expensive infrastructure.

Powered by  **BroadcastRadio**

Stations In More Detail

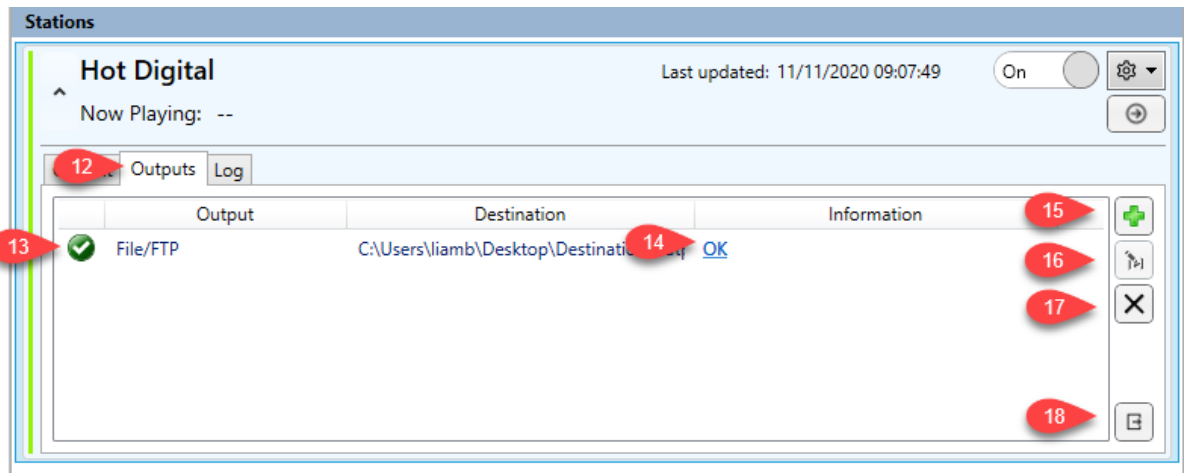
Now that we have OCP 5 setup with a couple of simple Outputs, lets take a closer look at the Stations section of OCP and what options we have.

The screenshot shows the Myriad OCP v5 interface for the 'Hot Digital' station. The interface is divided into several sections:

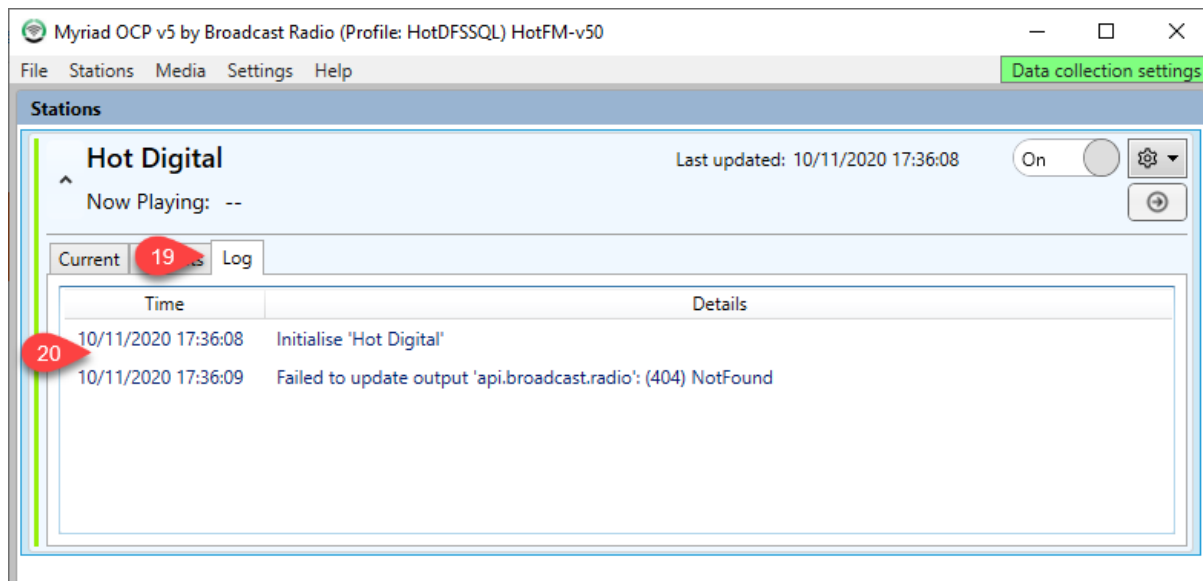
- Header:** Myriad OCP v5 by Broadcast Radio (Profile: HotDFSSQL) HotFM-v50. Menu: File, Stations, Media, Settings, Help. Data collection settings button.
- Station Name:** Hot Digital (1)
- Now Playing:** Saint Claude by Christine And The Queens (2)
- Last updated:** 10/11/2020 (3)
- On-Air Toggle:** On (4)
- Settings/Options:** Gear icon (5)
- Refresh:** Refresh icon (6)
- Current Tab:** Shows station status (7)
- Outputs Tab:** Shows current status of all outputs (8)
- Log Tab:** Displays a log of recent OCP activity (9)
- Station Information:** Shows status, next/previous songs, presenter, show title, and travel flag (10)
- Output History:** Shows a summary of Outputs status (11)

Time	Details
10/11/2020 13:15:18	Hot FM: Initialise 'Hot FM'
10/11/2020 13:15:18	Hot Digital: Initialise 'Hot Digital'
10/11/2020 13:16:12	Hot FM: Shutdown 'Hot FM'
10/11/2020 13:20:46	Hot FM: Initialise 'Hot FM'

1. Name of the Station (comes from the Myriad 5 Station Enabler).
2. Latest 'Now Playing' information from the On-Air system.
3. Time and date of most recent update.
4. Station OCP Output active toggle.
5. Access Settings and other options (see previous chapter).
6. Force an update on all Outputs.
7. Current Tab – Shows the current status of the Station.
8. Output Tab – Shows current status of all outputs plus used to add or edit Outputs.
9. Log Tab – Displays a log of recent OCP activity.
10. Shows the status of Station related information.
11. Output History – Shows a summary of Outputs status.



- 12. Outputs Tab – Allows you to view and manage Outputs.
- 13. List of existing Outputs.
- 14. Output status.
- 15. Add an Output.
- 16. Edit Output Settings
- 17. Remove Output.
- 18. Export Selected Output.

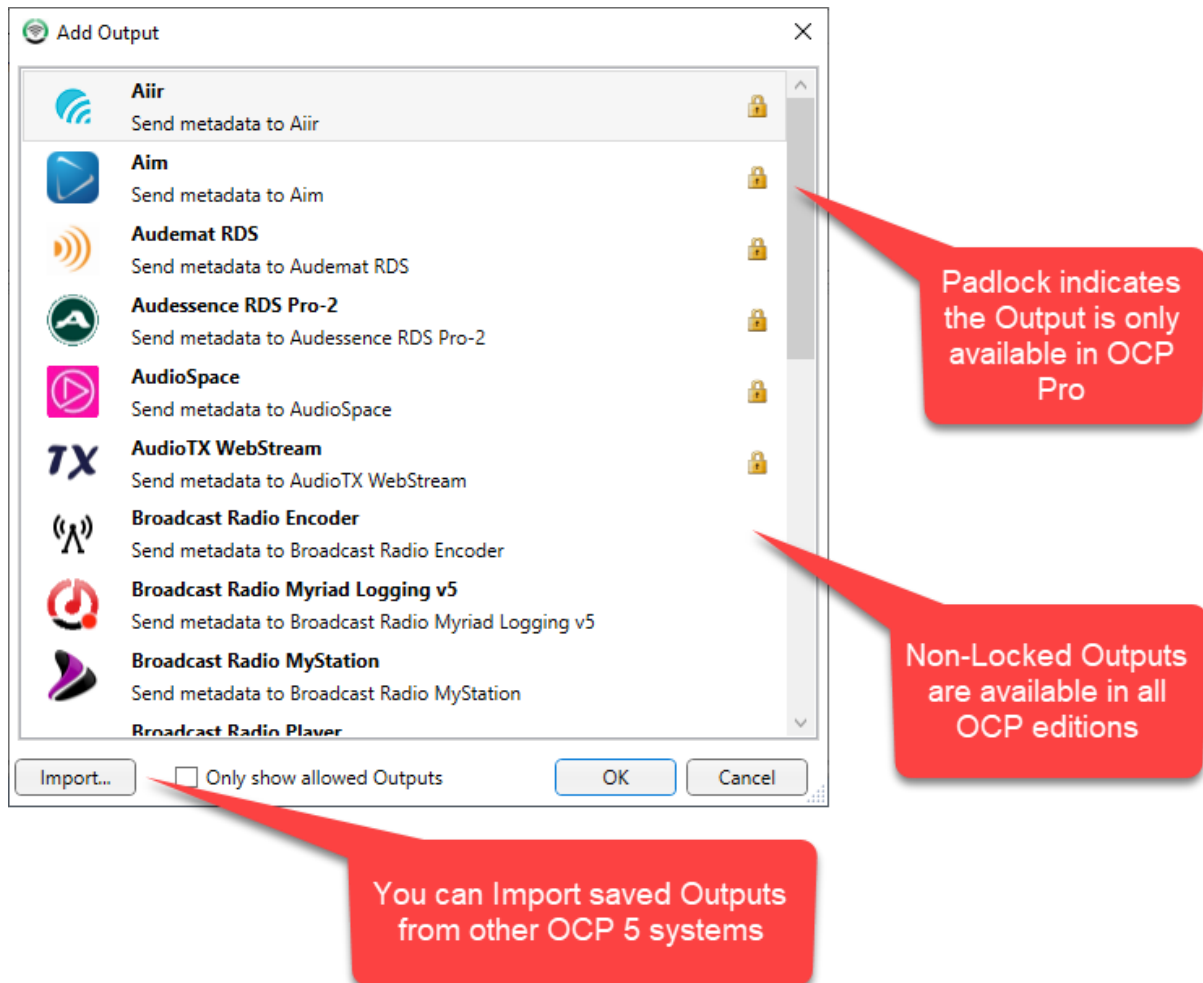


- 19. Log Tab – Allows you to view recent history log.
- 20. Recent history log.

Outputs In OCP Standard & Pro

Outputs are used to send information from OCP 5 to a variety of different platforms in different formats. We offer both generic Outputs (like File output) and platform specific outputs (like Facebook).

Some Outputs are included in OCP 5 Standard whilst others are only available within OCP 5 Pro. Output availability is indicated by the padlock icon to the right of the Output. Outputs with a Padlock are not available in OCP Standard. Outputs without a Padlock are available.



The list of Outputs regularly changes as we add new Outputs or update existing Outputs. All OCP users will receive the following Outputs as standard.

- File / FTP
- Broadcast Radio Encoder
- Broadcast Radio Myriad 5 Logging
- Broadcast Radio MyStation
- Broadcast Radio Player (Legacy)
- Broadcast Radio Smart Sign
- Icecast

Please contact Broadcast Radio to discuss upgrading to OCP 5 Pro if you want access to additional Outputs.

The list of available outputs will also differ depending on whether you have OCP 5 or OCP 5 Pro.

To add an Output, click on the **Add Output** button.

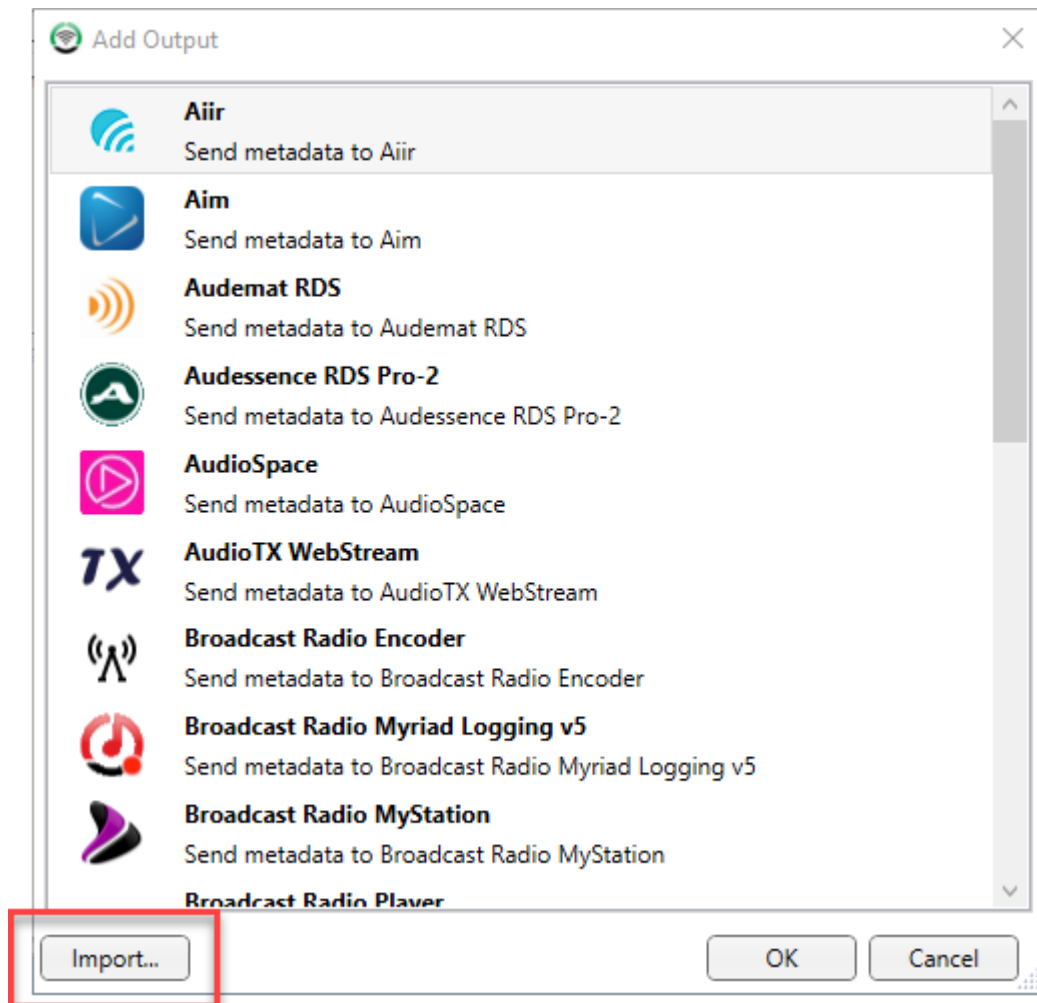
Importing & Exporting Outputs

You can export Outputs from OCP 5 complete with all settings. This allows you to import them on a different OCP 5 system.

To export an Output, click on the **Outputs Tab** select the Output you want to export and click on the **Export button**.

Image here

You can also import previously saved 'Outputs' to the system by clicking on the **Add Output** button and then clicking on the **Import** button on the Select Output window.



Adding The BR Player (Legacy) Output (Standard & Pro)

If you are using the BR Player to allow listeners to access your web stream (hosted with us) then there is a simple, built in 'Output' for directly connecting.

You will need your unique API key which you can get from your BR Player Edit page.



Manage your API key

Re-generate API key

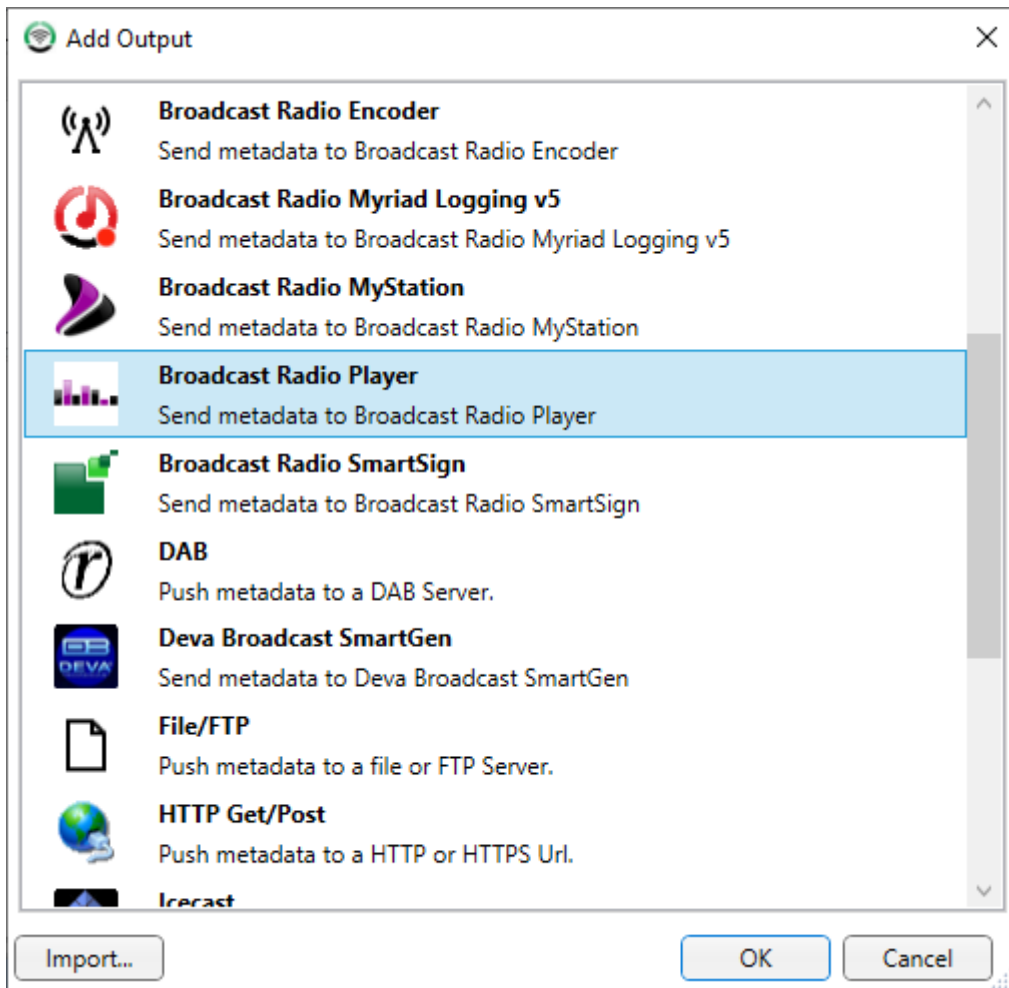
Your API key is: 7Jj06qjGr

Your JSON feed is: <https://player.broadcastradi>

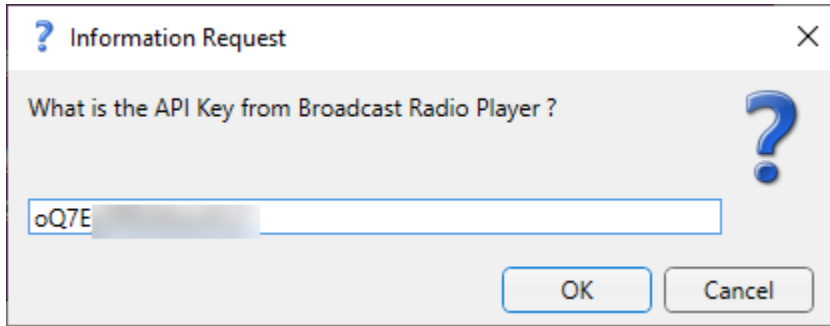
API specific URLs:

- GET: <https://player.bro>
- POST: <https://player.broadca>

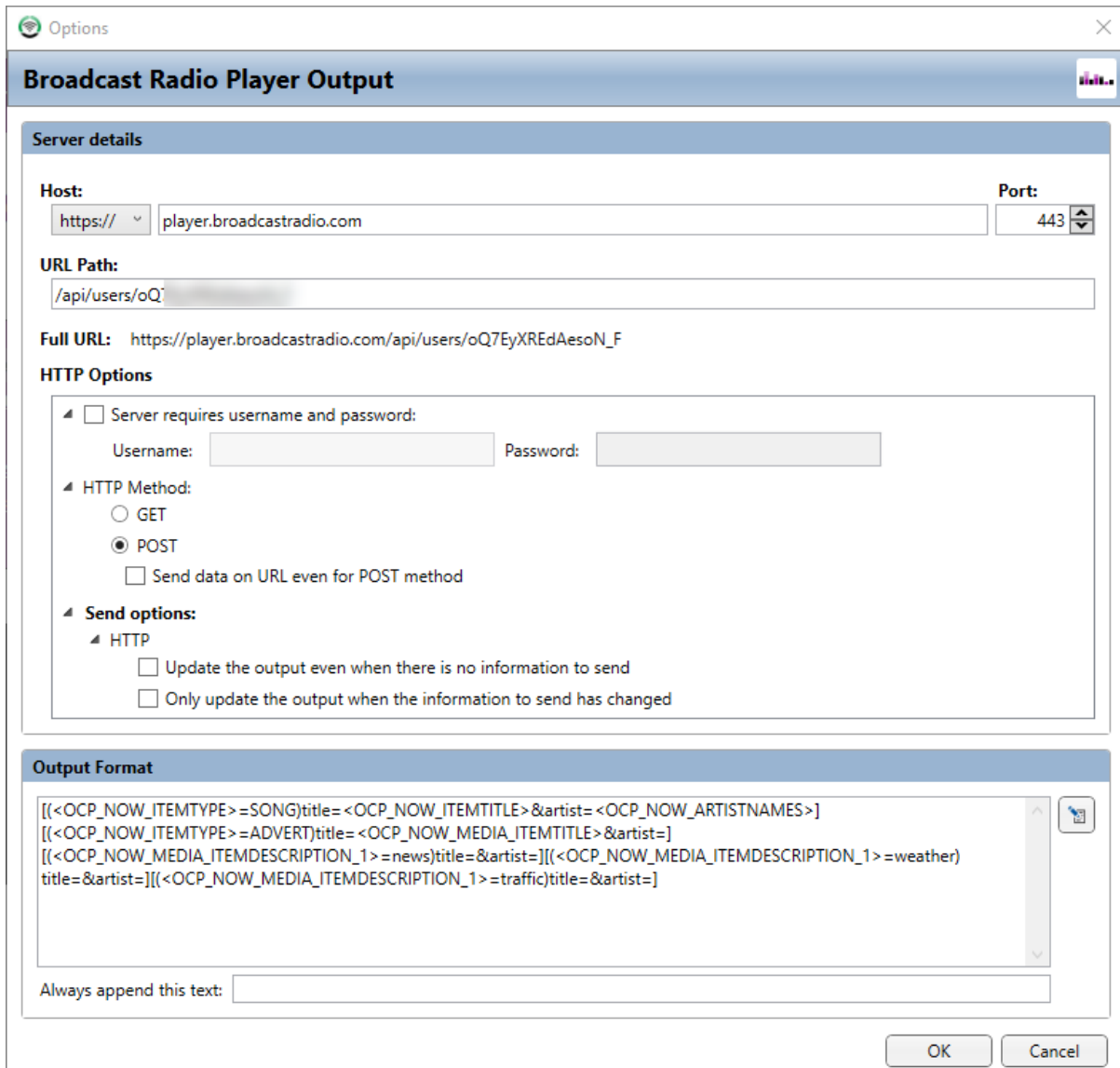
To add a BR Player Output, click on the **Add Output** button.



Next add your unique **API key** and Click **OK**.

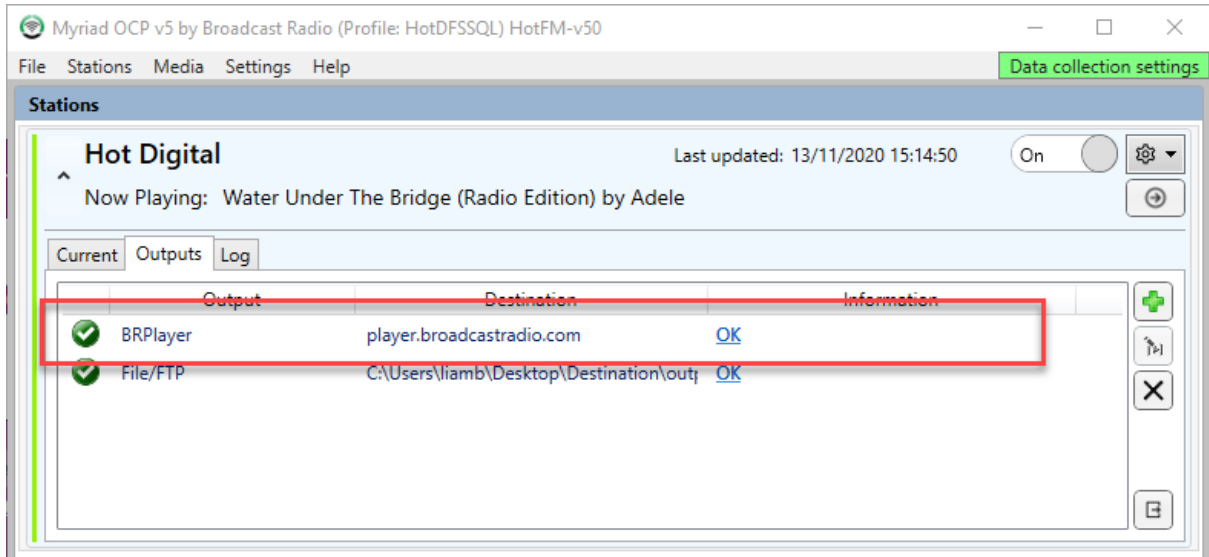


Next you will see the settings screen for the BR Player. **Do not adjust these settings**, they are pre-set to work with the BR Player.



Please note that some fields cannot be edited in OCP Standard.

Click on the **OK** button to save the settings.



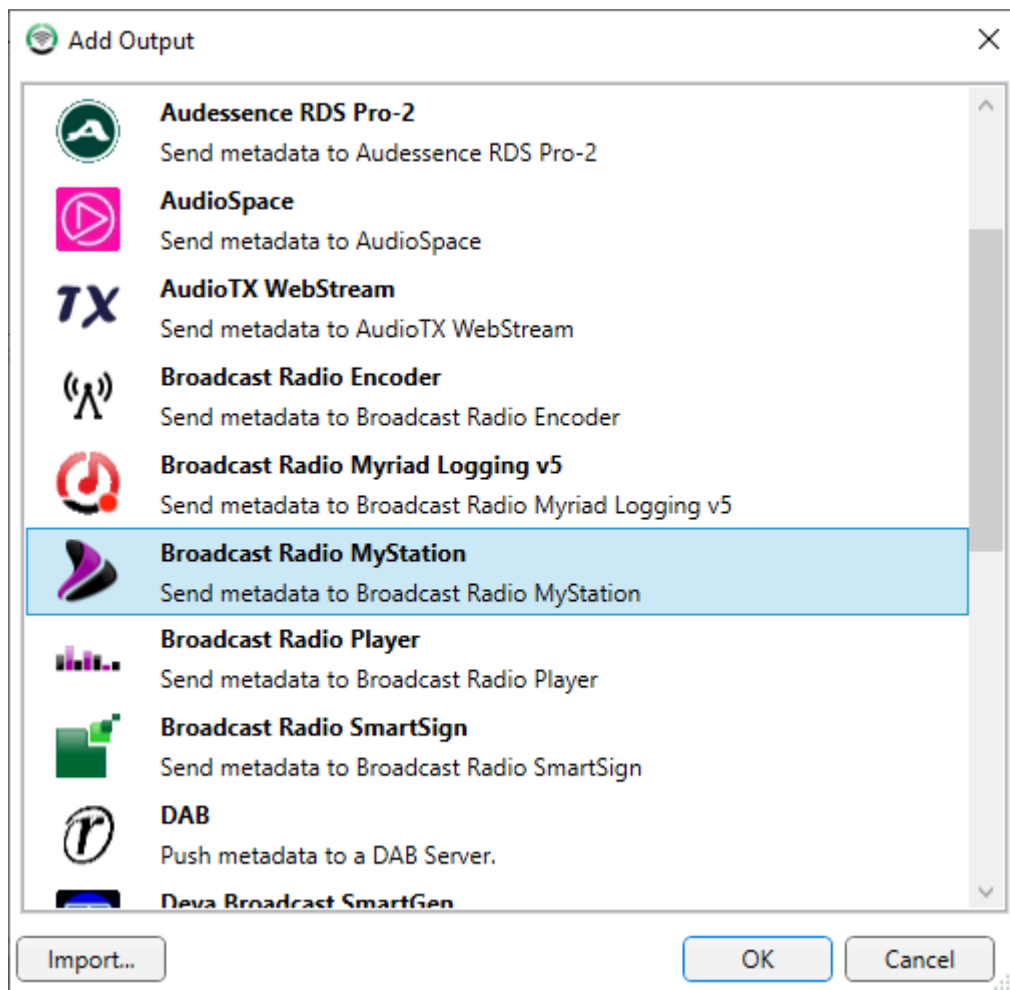
Your BR Player output is now fully configured and Myriad 5 Playout will be able to update the Now Playing information on the BR Player.



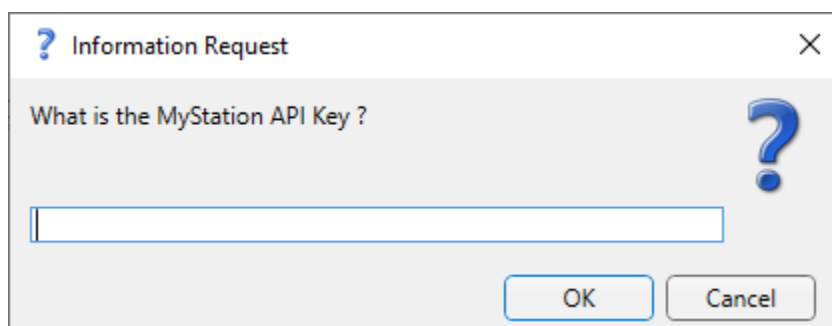
Adding The MyStation Output (Standard & Pro)

MyStation is the replacement for the BR Player and offers a far more feature rich web players as well as providing the 'back end' data for our range of mobile apps. The process for adding a MyStation Output for OCP 5 is very similar to the BR Player.

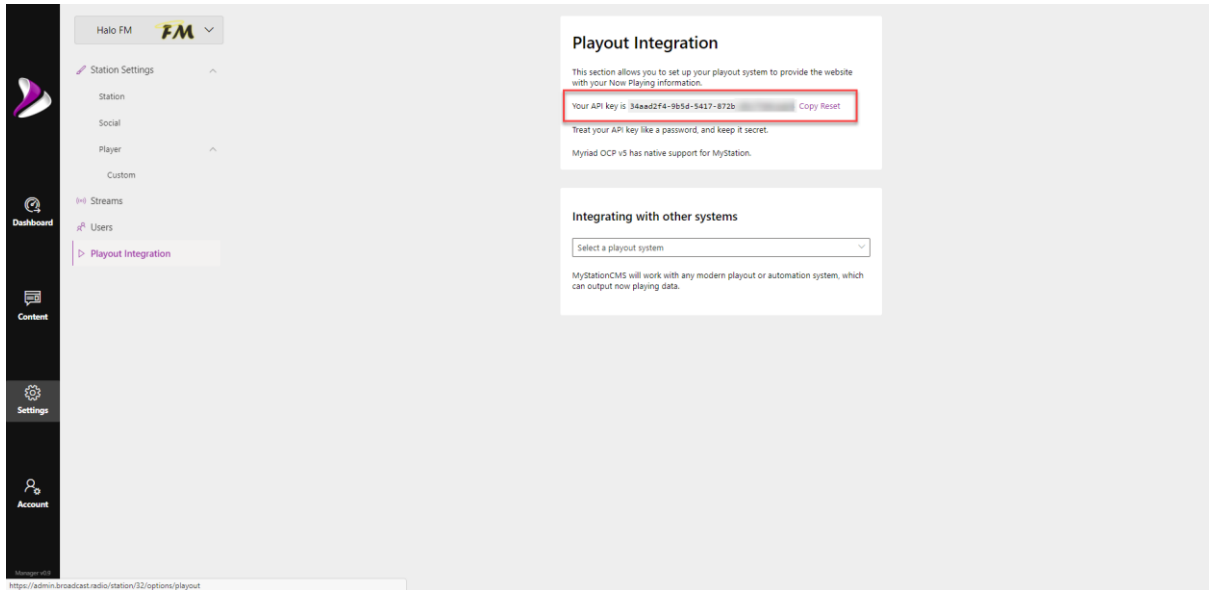
Click on the **Add Output** button and select **MyStation Output** from the list.



Next you will be asked to provide the unique API key for your MyStation account.

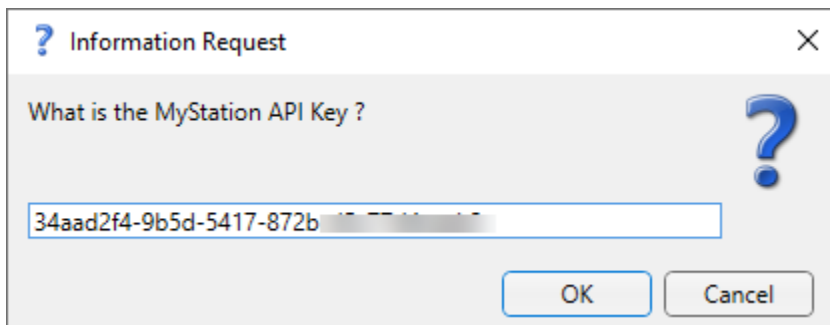


To find this, login to your MyStation portal and navigate **Settings** menu and select **Playout Integration**.



You will see your unique API key in the top section.

Copy your API key and then paste it into the API Key floating window in OCP.



Then click **Ok**.

You will then see the settings window for your MyStation Output. **Do not adjust these settings** as they have been pre-set to the correct values.

Options

Broadcast Radio MyStation Output

Server details

Host: Port:

URL Path:

Full URL: <https://api.broadcast.radio/api/song/new/34aad2f4-9b5d-5417-872b-d5c77d4ceab3>

HTTP Options

- Server requires username and password:
 - Username:
 - Password:
- HTTP Method:
 - GET
 - POST
 - Send data on URL even for POST method
- Send options:
 - HTTP
 - Update the output even when there is no information to send
 - Only update the output when the information to send has changed

Output Format

Always append this text:

OK Cancel

Please note that some fields cannot be edited in OCP Standard.

Click on **OK** and you will see that your MyStation Output has been added to the list of Outputs.

Myriad OCP v5 by Broadcast Radio (Profile: HotDFSSQL) HotFM-v50

File Stations Media Settings Help Data collection settings

Stations

Hot Digital Last updated: 13/11/2020 15:15:03 On ⚙️

Now Playing: ➕

Current Outputs Log

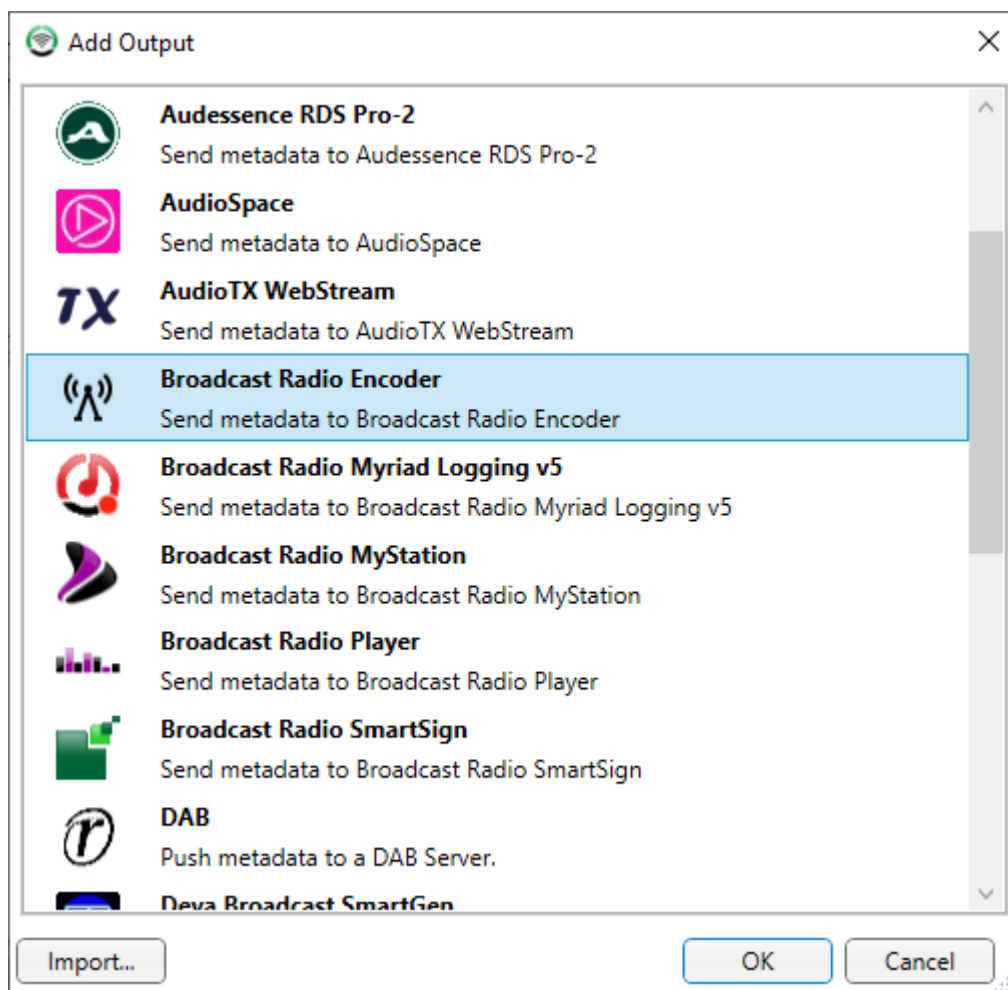
Output	Destination	Information
✓ BRMyStation	api.broadcast.radio	Unknown
✓ File/FTP	C:\Users\liamb\Desktop\Destination\out	OK

+
↶
✖
📄

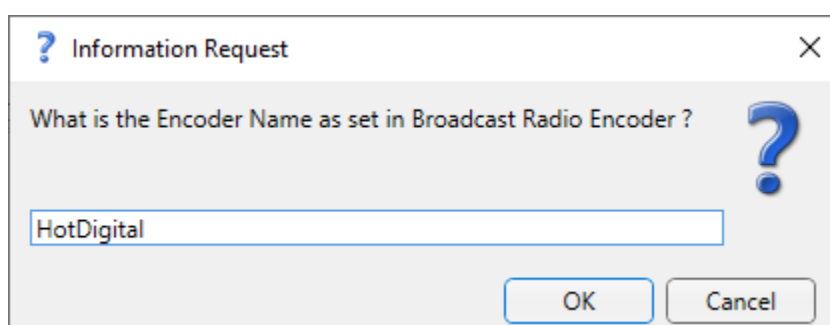
Adding The BR Encoder Output (Standard & Pro)

Generally you will not need to use this Output as Myriad 5 Playout can send to the BR Encoder directly, but if you want to send something more complex than just the generic 'Now Playing' information you may wish to use this Output as it offers the same level of flexibility with the information and format of Output strings as all the other Outputs.

To add a BR Encoder Output, click on the **Add Output** button and choose the BR Encoder from the list of available Outputs.



Next you will need to provide the unique **External Reference** that you set in BR Encoder.



By default this is Encoder1 but you may well of changed it when you setup your BR Encoder.

Once you have typed in the External Reference and click on OK, your BR Encoder Output is completed and ready to work...**But...** it is assumed that the BR Encoder is running on the same PC as OCP 5 so if that is the case then you have completed the setup and you can click on **OK**.

If not then follow these steps:

1. Type in the **Name or IP Address** of the PC **Running BR Encoder Service** into the **Host** field.

Options

Broadcast Radio Encoder Output

Server details

Host: http:// localhost **Port:** 6999

URL Path: /BrEncoder/v1/api/Encoder/HotDigital/UpdateNowPlaying

Full URL: http://localhost:6999/BrEncoder/v1/api/Encoder/HotDigital/UpdateNowPlaying

HTTP Options (Requires Myriad OCP Pro to edit all options):

- Server requires username and password:
Username: Password:
- GET
 POST
 Send data on URL even for POST method
- Send options:
 - HTTP
 - Update the output even when there is no information to send
 - Only update the output when the information to send has changed

Output Format (Requires Myriad OCP Pro to edit):

?title= <OCP_NOW_ITEMTITLE>&artist= <OCP_NOW_ARTISTNAMES>

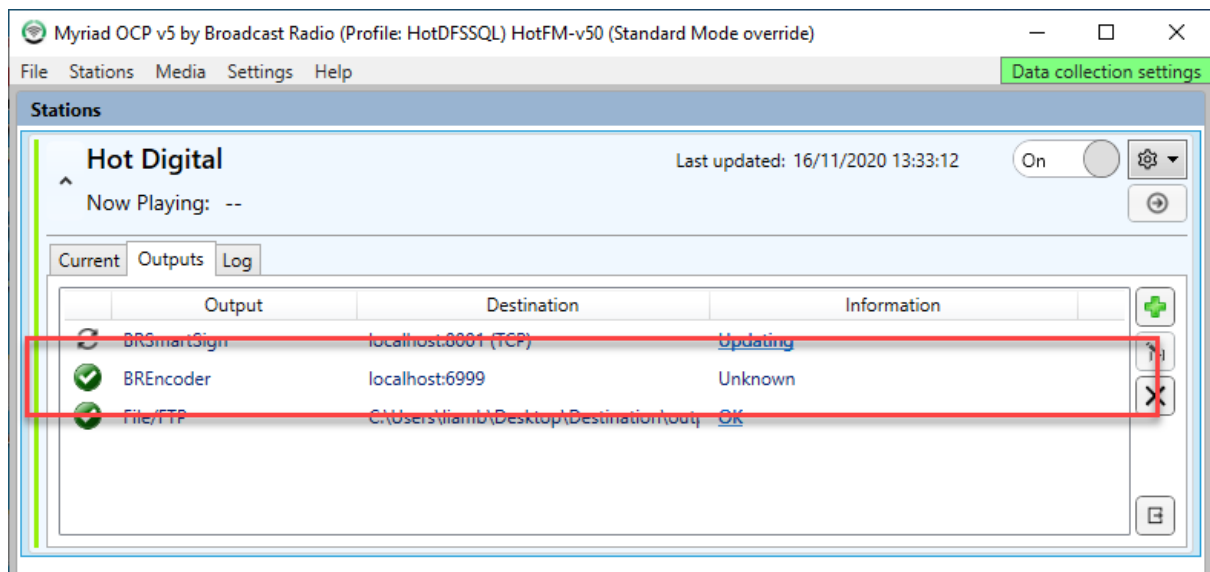
Always append this text:

OK Cancel

2. Click on **OK** as there is no need to change any other settings (in fact doing so will probably stop it working!).

Please note that some fields cannot be edited in OCP Standard.

Do not adjust any of the other settings, they have be pre-set to connect to the BR Encoder service.

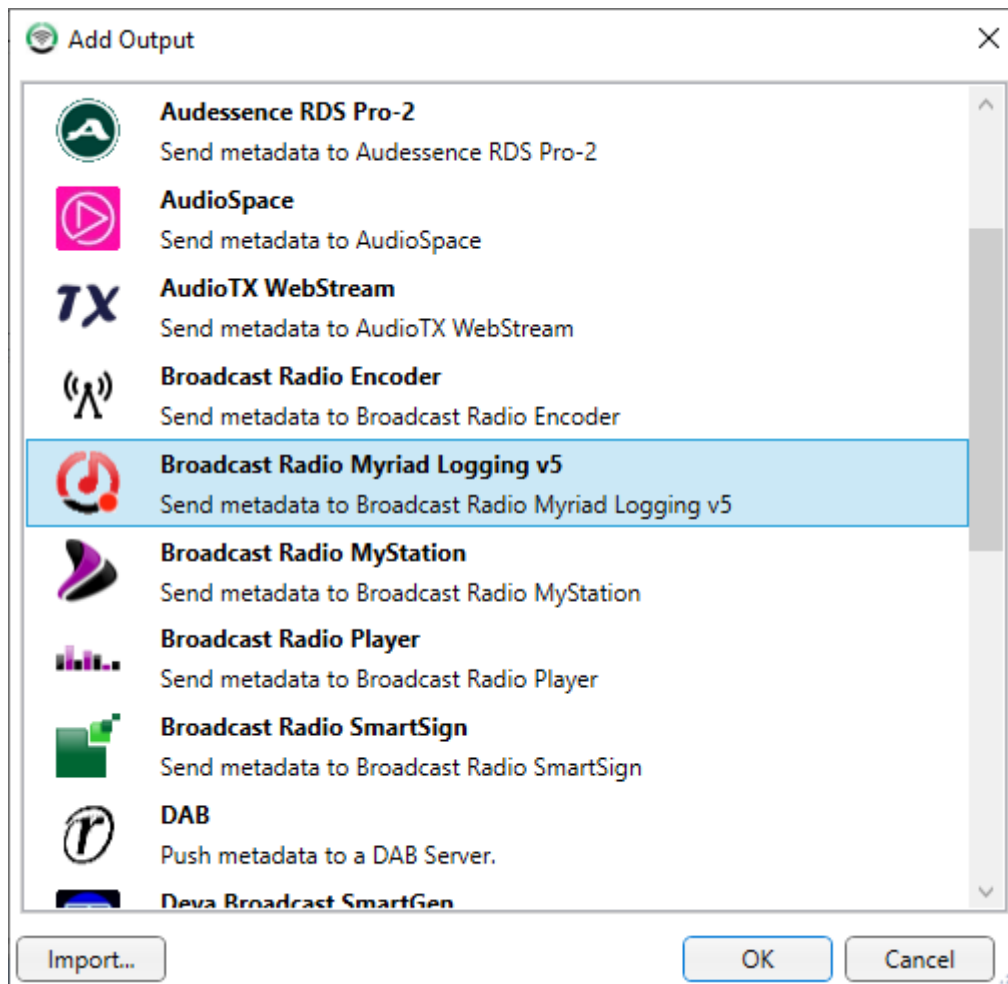


Your BR Encoder Output is now setup.

Adding The Myriad Logging Output (Standard & Pro)

You can add an Output to OCP 5 that will automatically add 'Now Playing' text information to your Myriad 5 Logging system.

Click on the **Add Output** button and select Myriad Logging from the list of available Output.



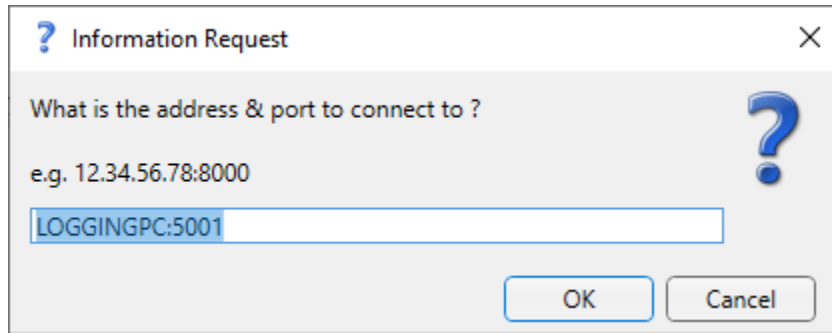
Next you will be asked for the **Name / IP Address** and **Port** for your Myriad Logging system.

The default Port for Myriad Logging is 5001 so you should enter in the connect details in the format:

Address:Port

So for example if your Myriad Logging PC is named LOGGINGPC then you should enter:

LOGGINGPC:5001



No additional information is required to configure OCP 5 to connect to Myriad Logging so that Logging can log Now Playing info.

IP/Serial Output Options

Broadcast Radio Myriad Logging v5 Output

Output details

Mode: TCP

Address: LOGGINGPC Port: 5001

Options:

- Connection options:**
 - Close the connection after sending the update
 - Keep the connection open for a short while after sending an update
- Send options:**
 - Maximum number of characters to send: 64
 - Update the output even when there is no information to send
 - Only update the output when the information to send has changed
- Travel information:**
 - Send when Travel starts: TA=1%0D%0A Send when Travel ends: TA=0%0D%0A
- Message suffix:**
 - Always append these characters to all messages sent:

Output Format

Format to use when creating the text that will be sent:

```
[[(<OCP_NOW_ITEMTYPE>=Song)<nowPlaying>
<description><![CDATA[<OCP_NOW_ITEMTITLE> by <OCP_NOW_ARTISTNAMES>]]></description>
<startTime><OCP_NOW_ESTIMATEDSTARTDATETIMEGMTXML></startTime>
<endTime><OCP_NOW_ESTIMATEDENDDATETIMEGMTXML></endTime>
```

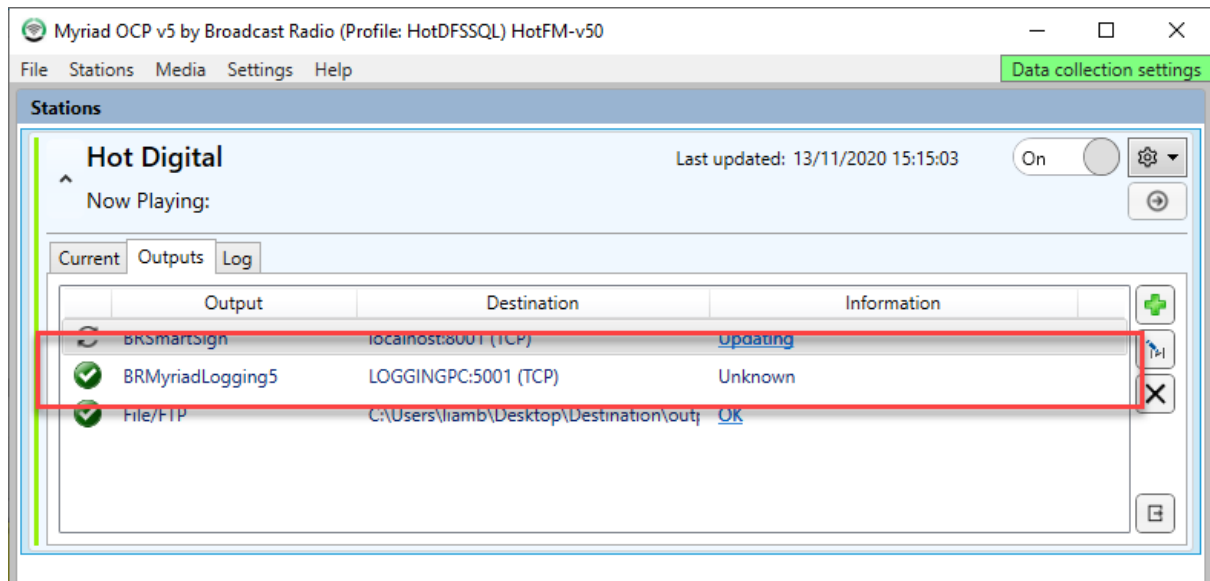
Alternate strings to send:

Only use these Alternate Strings when the script command (top) results in an empty string

OK Cancel

Please note that some fields cannot be edited in OCP Standard.

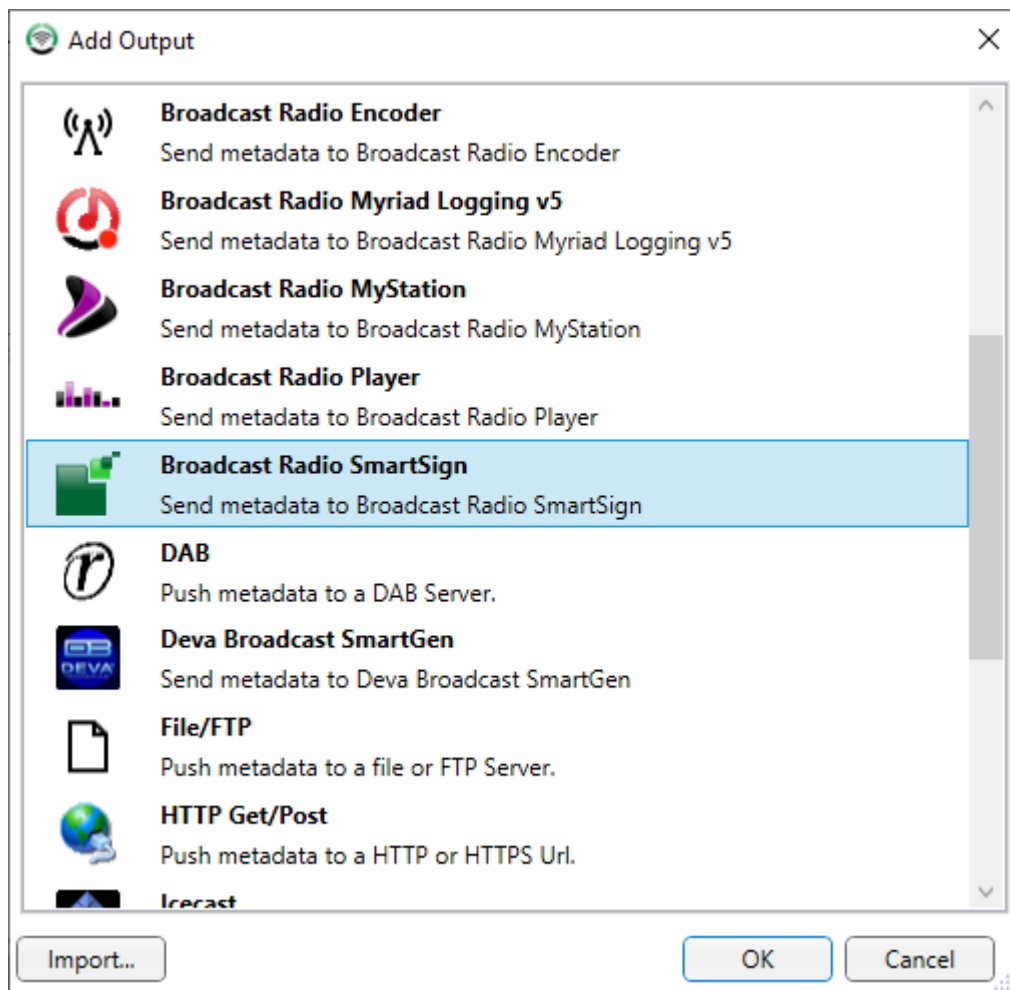
Do not adjust these settings, they have been pre-set to work with Myriad 5 Logging. Click on **OK**, the Myriad 5 Logging Output has now been added to OCP.



Adding The SmartSign Output (Standard & Pro)

You can configure OCP 5 to automatically send 'Now Playing' information to one or more Broadcast Radio SmartSigns at your station.

Click on **Add Output** and select **SmartSign** from the list of available Outputs.



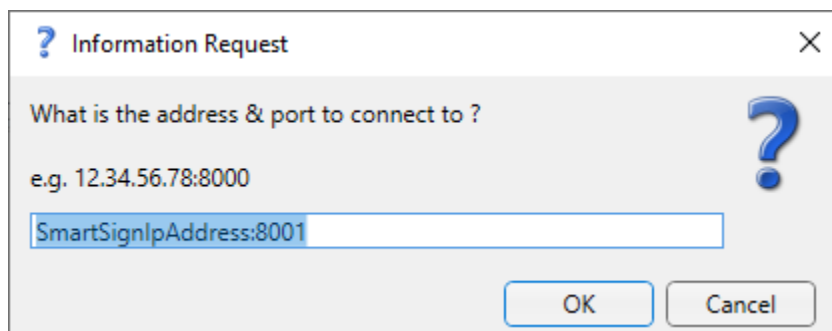
Next you will be asked for the **Name / IP Address** and **Port** for your SmartSign.

The default Port for SmartSign is 8001 so you should enter in the connect details in the format:

Address:Port

So for example if your SmartSign is on IP address 192.168.1.20 then you should enter:

192.168.1.20:8001



Once you have entered the IP-address:Port then click **OK**.

IP/Serial Output Options

Broadcast Radio SmartSign Output

Output details

Mode:
 TCP

Address: SmartSignIpAddress **Port:** 8001

Options:

- **Connection options:**
 - Close the connection after sending the update
 - Keep the connection open for a short while after sending an update
- **Send options:**
 - Maximum number of characters to send: 64
 - Update the output even when there is no information to send
 - Only update the output when the information to send has changed
- **Travel information:**
 - Send when Travel starts: TA=1%0D%0A Send when Travel ends: TA=0%0D%0A
- **Message suffix:**
 - Always append these characters to all messages sent: %0D%0A

Output Format

Format to use when creating the text that will be sent:

```
[[(<OCP_NOW_ITEMTYPE>=Song)<OCP_NOW_ITEMTITLE> by <OCP_NOW_ARTISTNAMES>]][(<OCP_NOW_ITEMTYPE>!=Song)
<OCP_NOW_ITEMTITLE>]
```

Alternate strings to send:

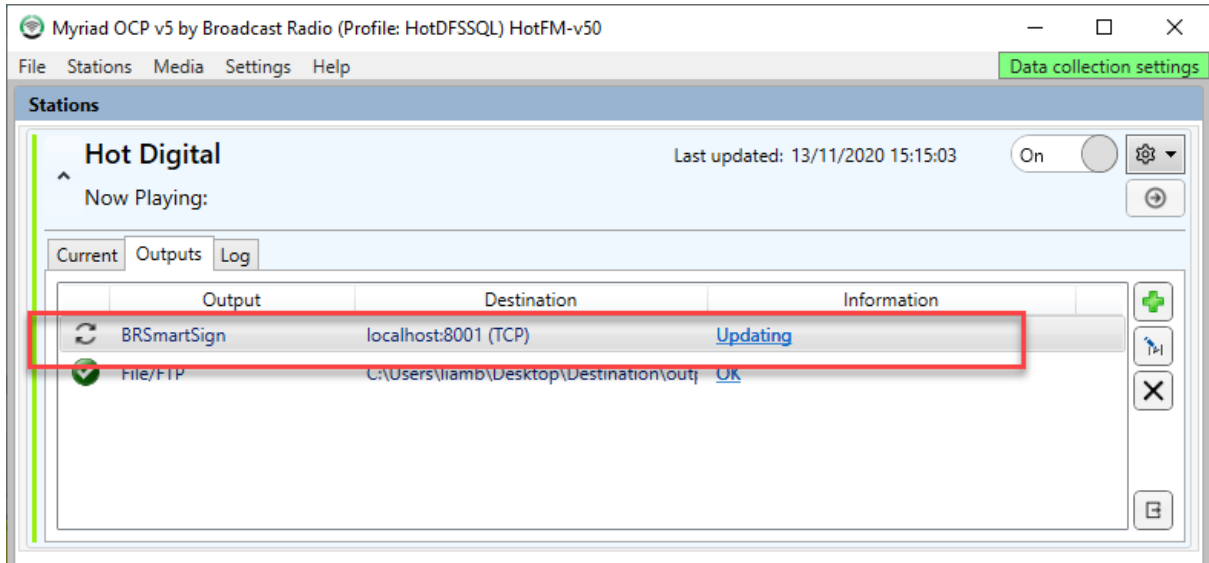
Only use these Alternate Strings when the script command (top) results in an empty string

OK Cancel

Please note that some fields cannot be edited in OCP Standard.

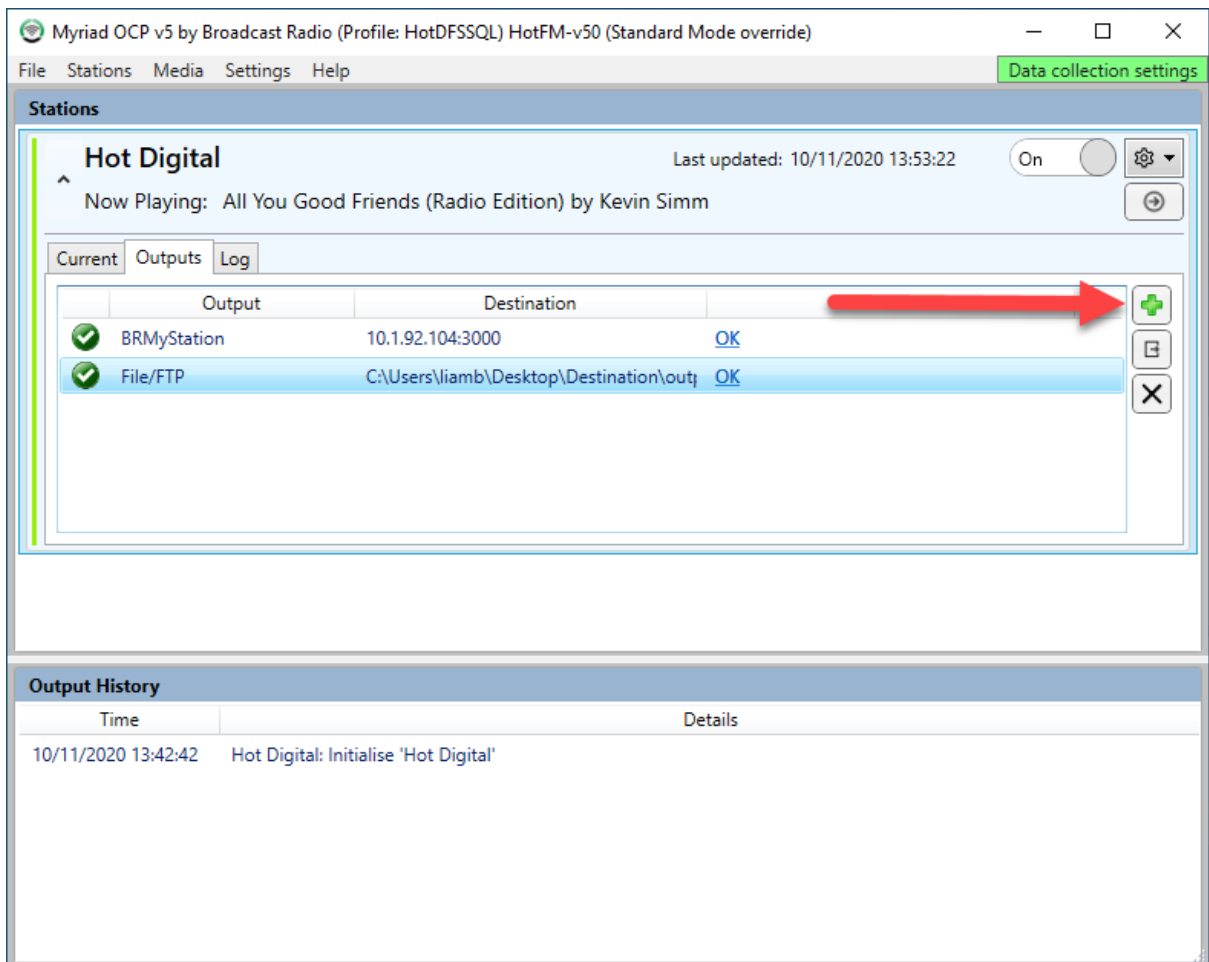
Do not adjust these settings, they have been pre-set to work with Smart Sign.

Please note that you may have multiple SmartSigns at your station. You will need to add an OCP 5 for each SmartSign that you want to be sent 'Now Playing information.

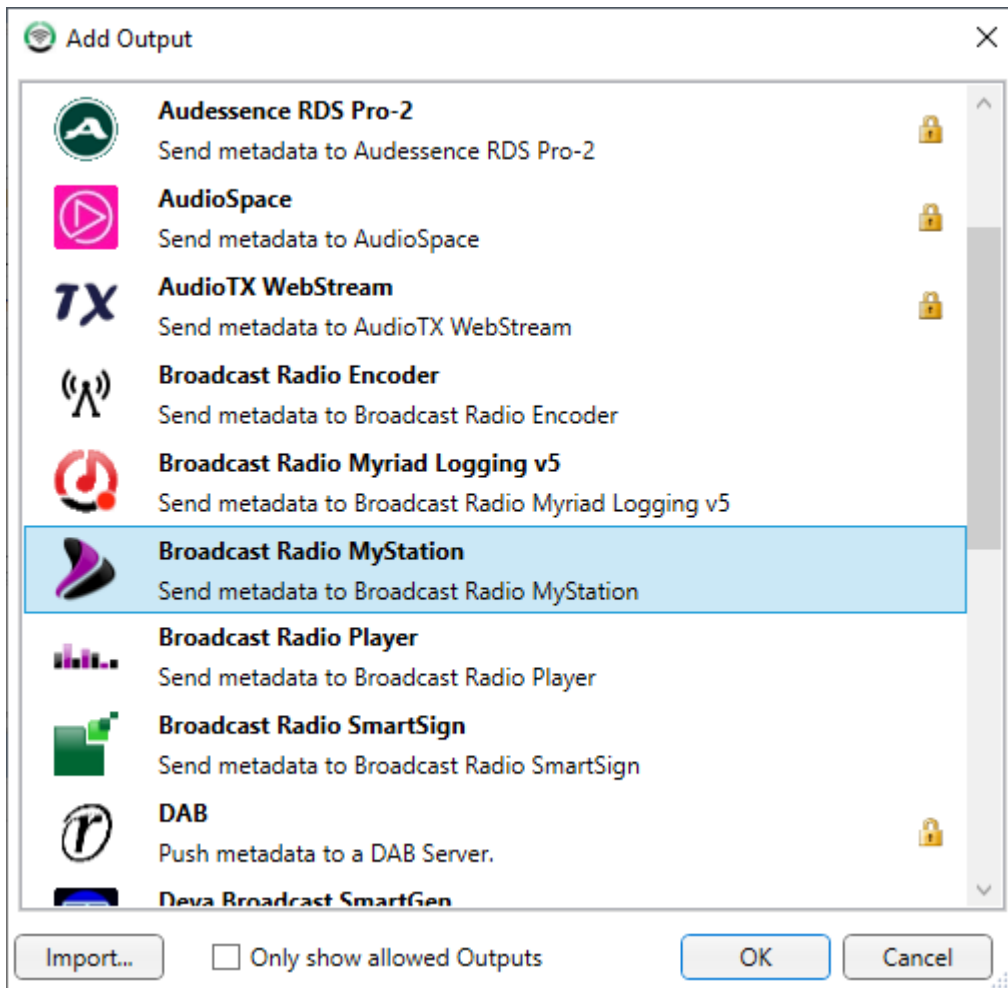


Adding Generic Outputs

To add Outputs to OCP 5, click on the **Add Output** button.



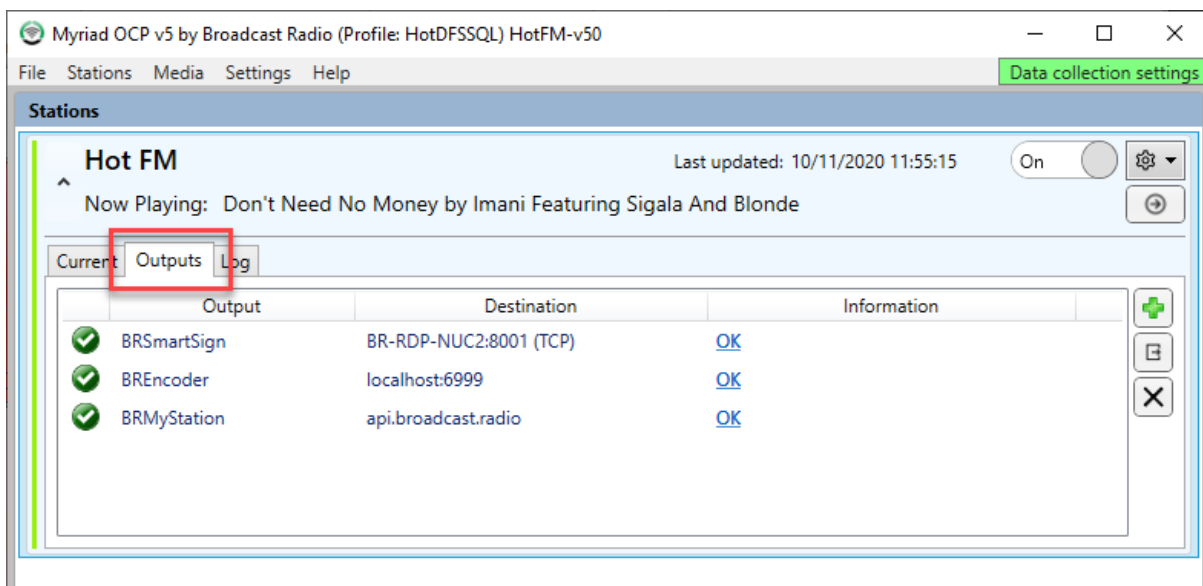
You will then see a list of available Outputs. Select the one you want to add and click on OK.



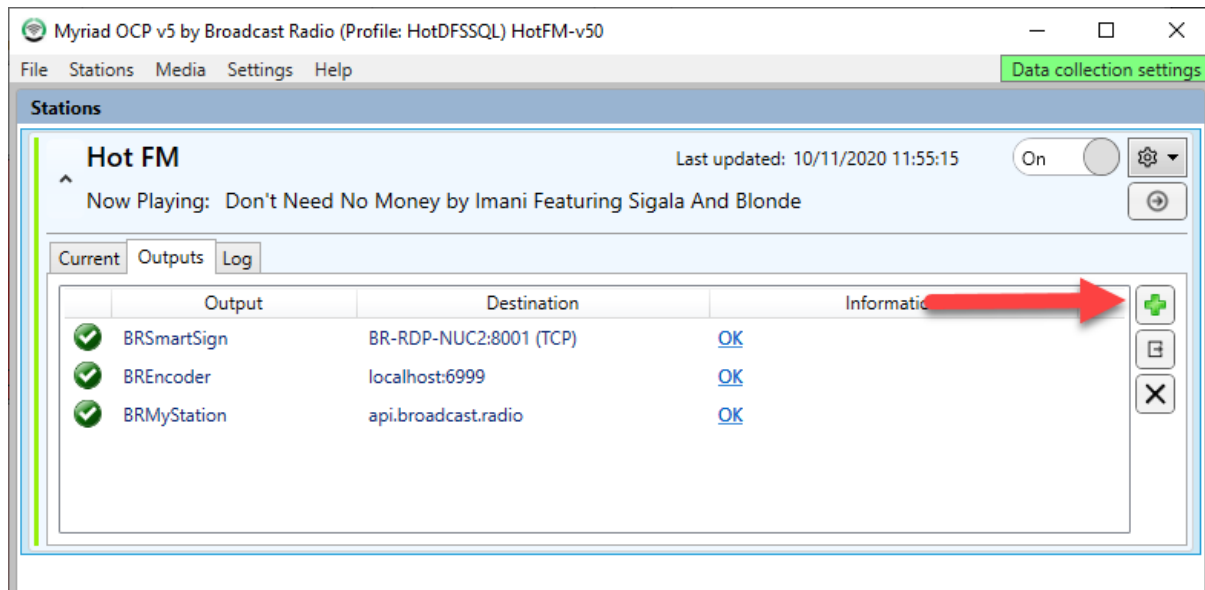
Once you have selected the Output, the settings window for the Output will automatically open. These settings differ from Output to Output with the most commonly used Outputs outlined in the next section.

File / FTP Output (Standard & Pro)

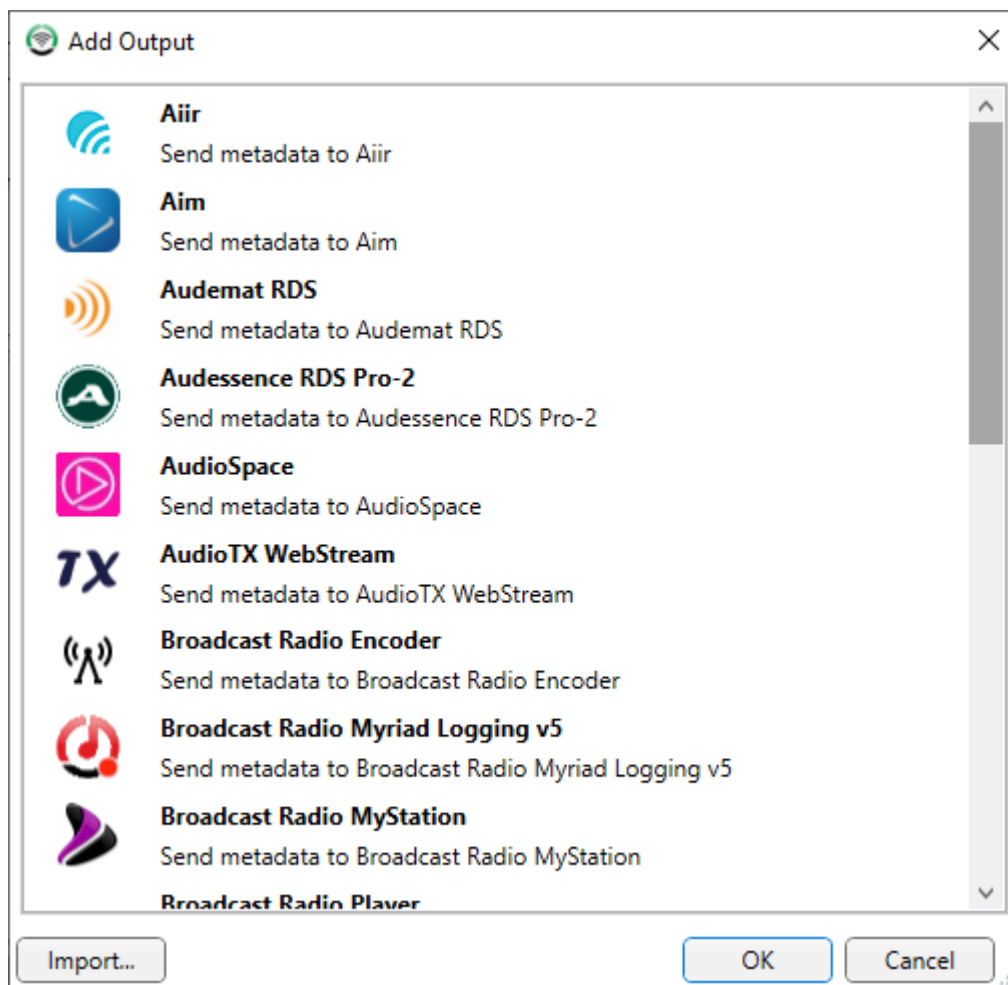
Now that OCP 5 and Myriad 5 Payout are talking to each other, let us take a look at adding a simple output. In OCP 5, click on the **Outputs** tab.



You can see that we already have a few Outputs setup in this example but lets add a simple File Output to that list. Click on the + button to add a new Output.



Next you will be asked what type of Output you want to add. Please note that the range of Outputs in standard OCP 5 is limited. A much wider range of outputs are included in OCP 5 Pro (see below).

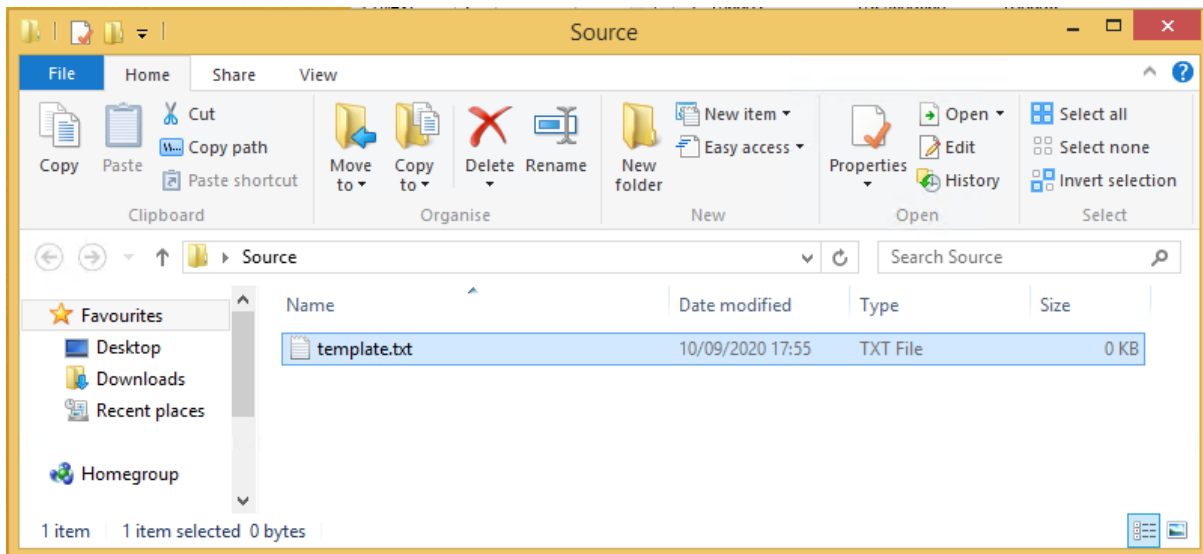


Let us add a simple file output which will take a 'template file' which contains special OCP Tags and replace these tags with 'Now Playing' information before updating a 'destination' file.

Before we get started, we will need to create a template file and a destination folder. Create two folders (source & destination) in a suitable location.

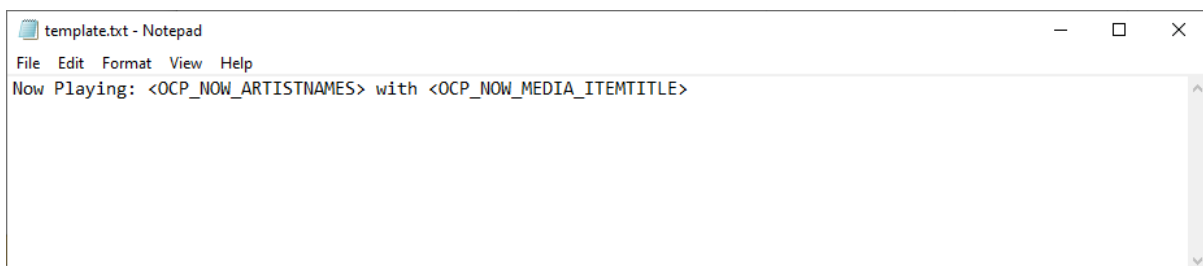


In the Source folder, create a new text file called template.txt.



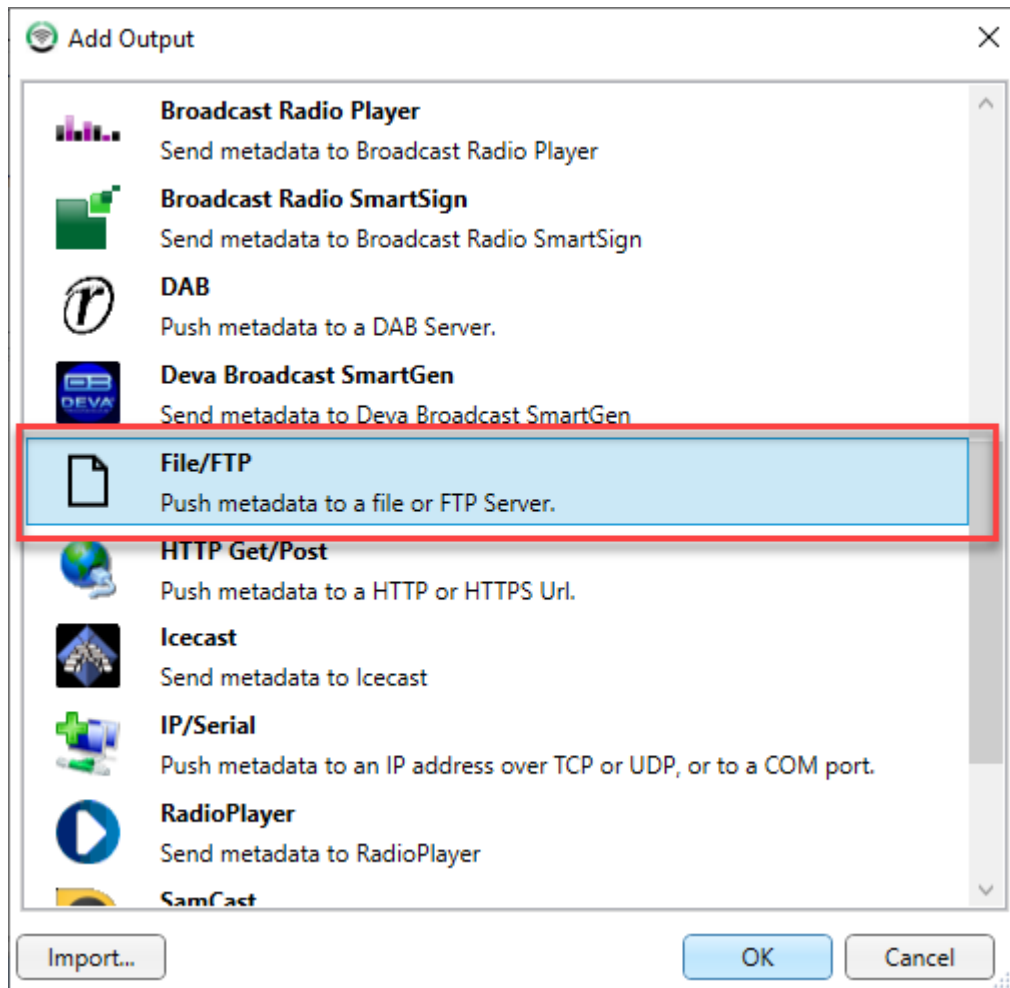
In the 'template.txt' file and paste the following script in the text file.
Now playing: <OCP_NOW_ARTISTNAMES> with <OCP_NOW_CART_ITEMTITLE>

TIP: You can substitute CART with MEDIA in all OCP tags, either will work.

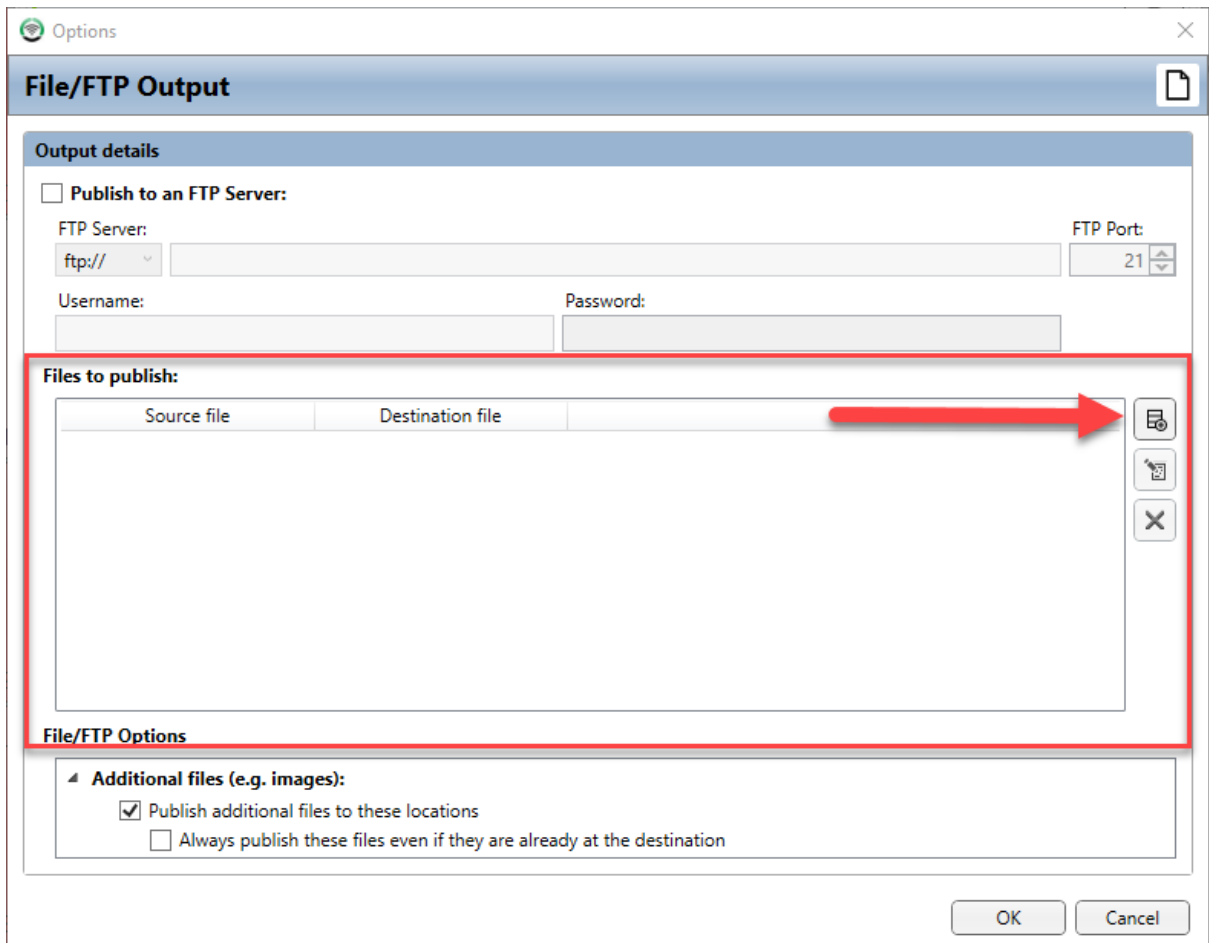


Save the file, this will be your template file for the OCP 5 Output.

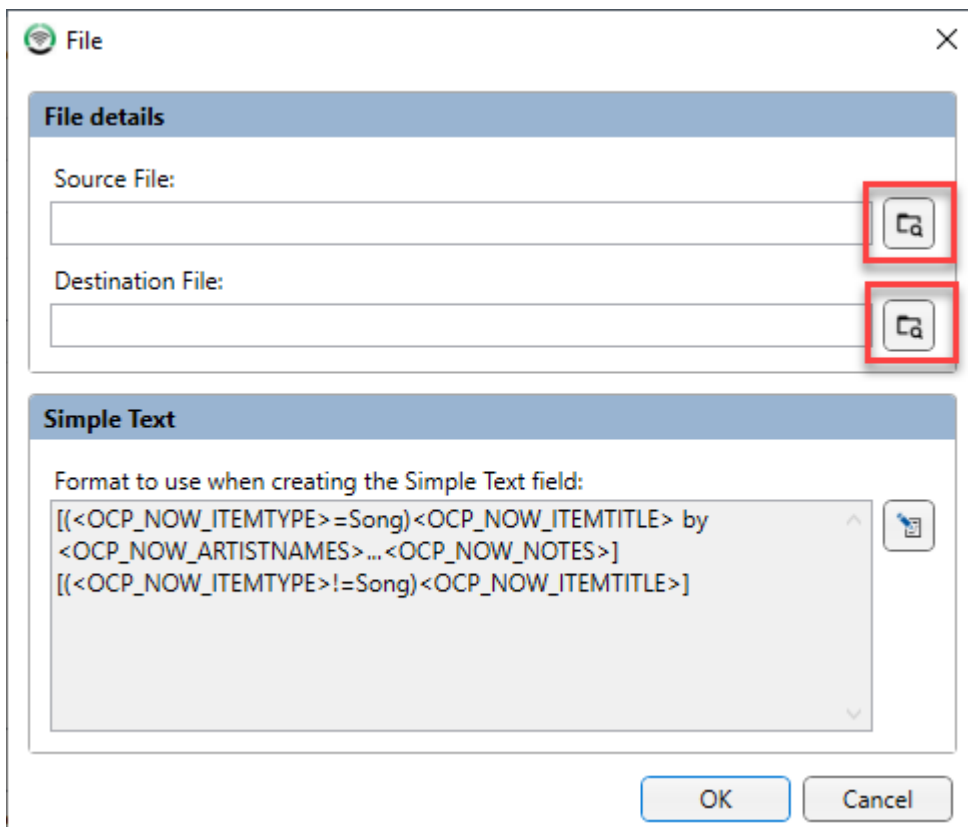
Back on OCP 5, Select the **File / FTP** option and click on OK.



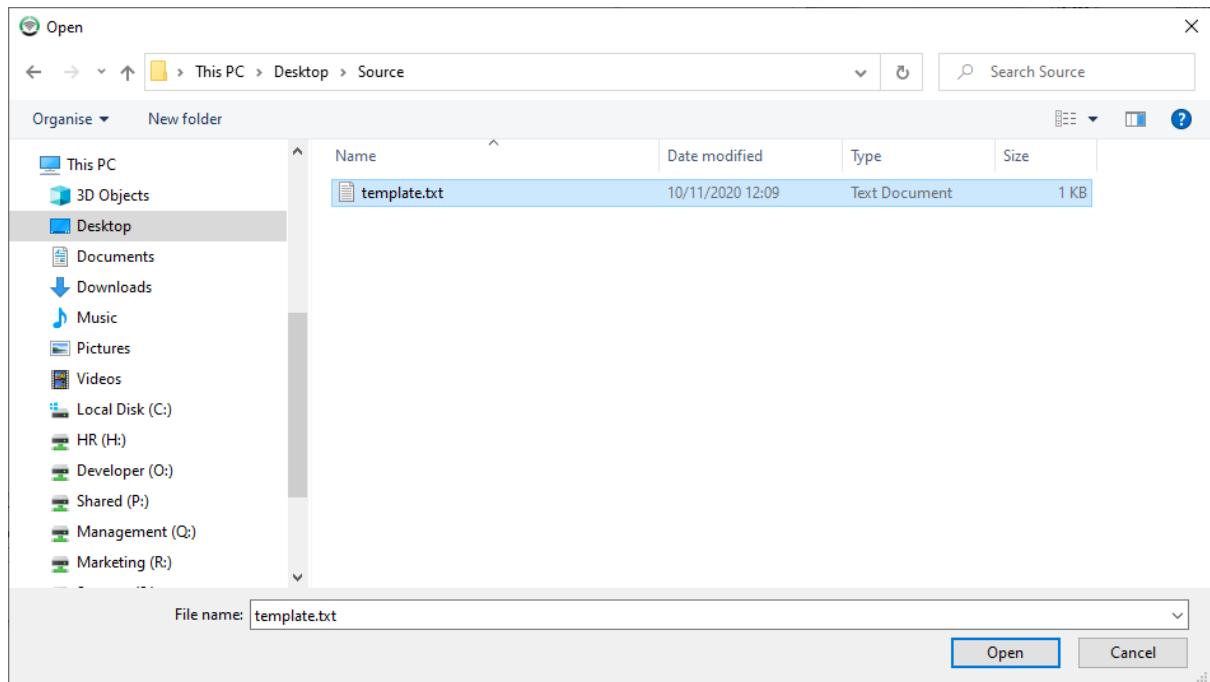
In the **Files To Publish** section, click on the **New Files** button to add in the Template and Destination file locations.



This will open the **File** window which allows you to browse to the Source (Template) and Destination File locations.

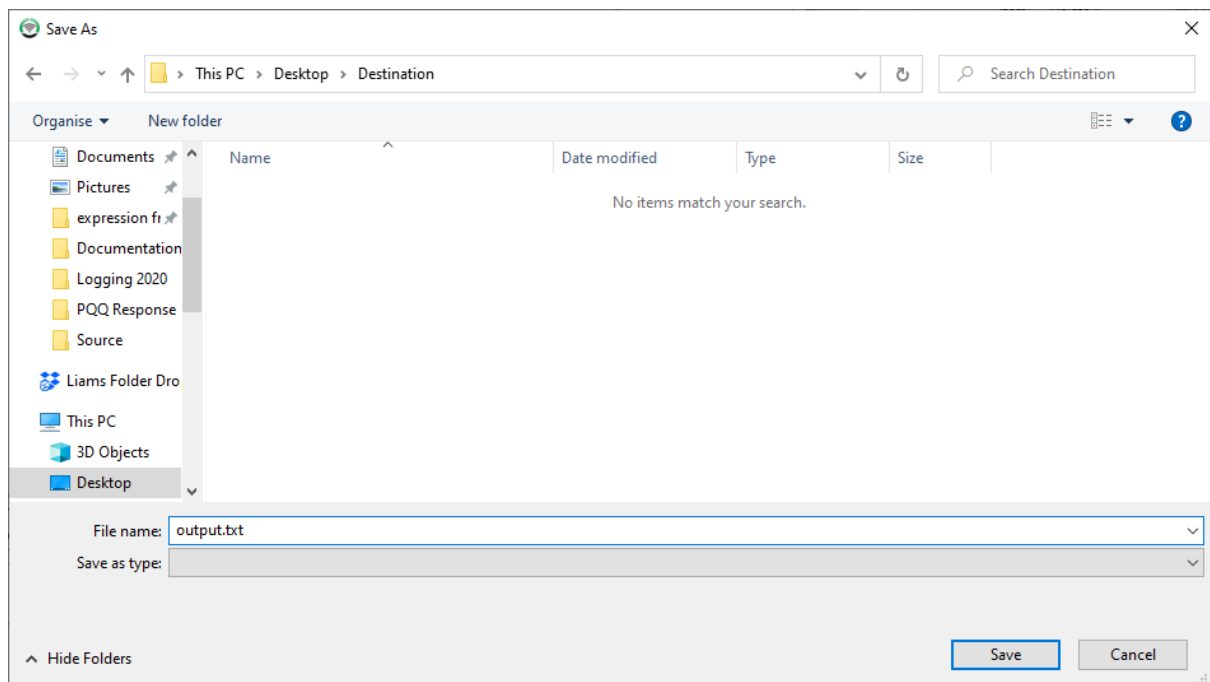


Click on the Browser button for the **Source File** and navigate to the 'source' folder you created earlier and select the Template.txt file.

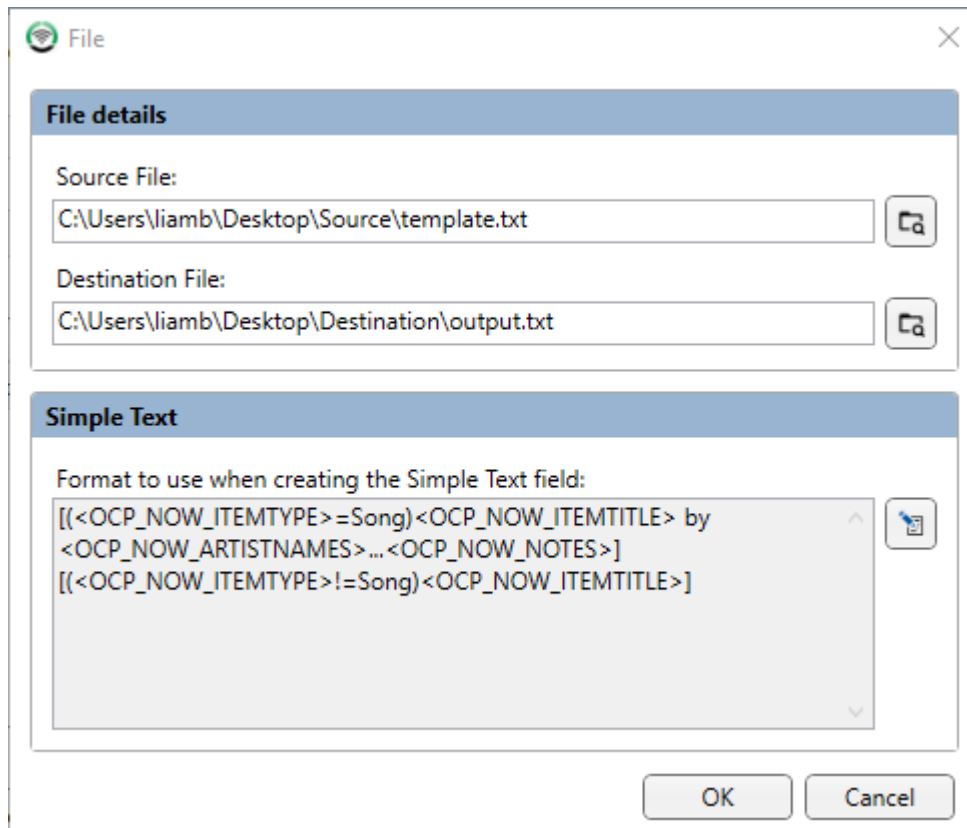


Next click on the Browse button for the **Destination** and select the folder you want to use for the destination file. Be careful to ensure it is different to the source location or you will overwrite the template file!

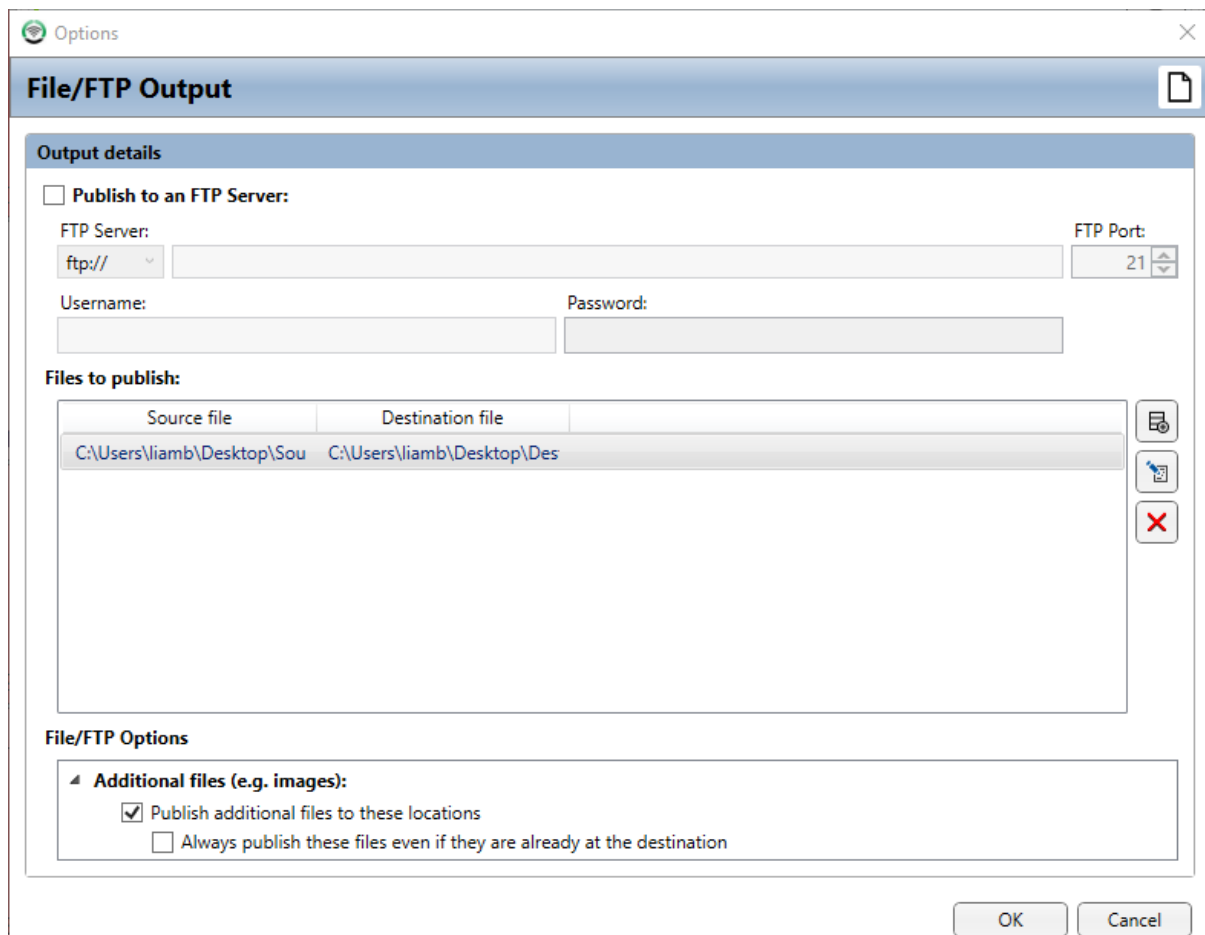
Navigate to the 'destination' folder you created earlier and give your output file a name. Remember to set the 'Save As Type' field to the type of file you want to output.



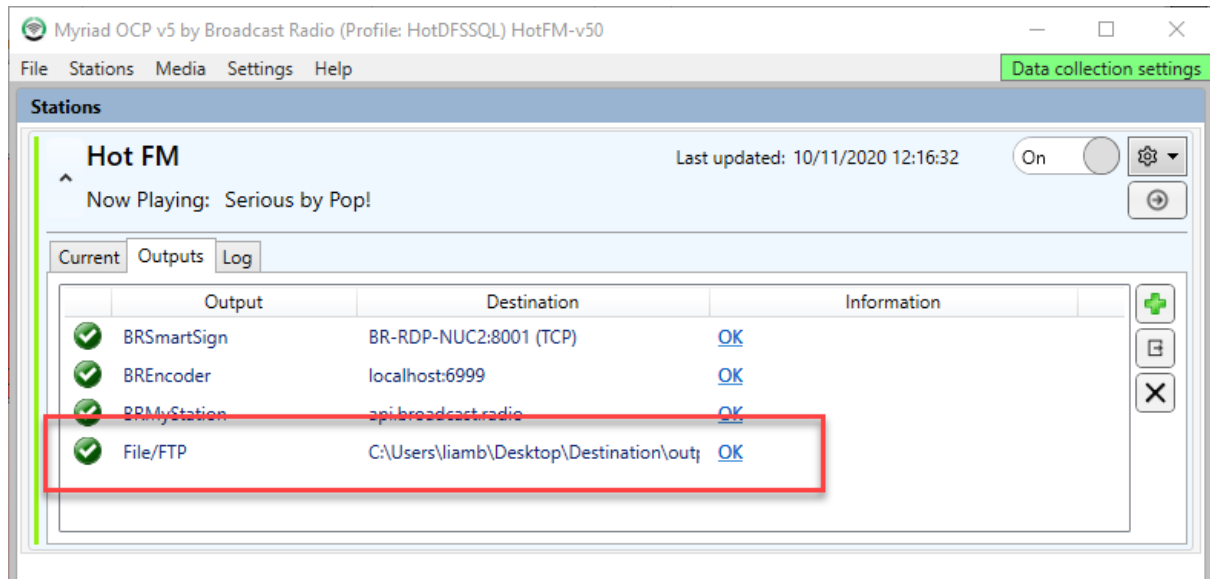
Review the settings then click on **Save**.



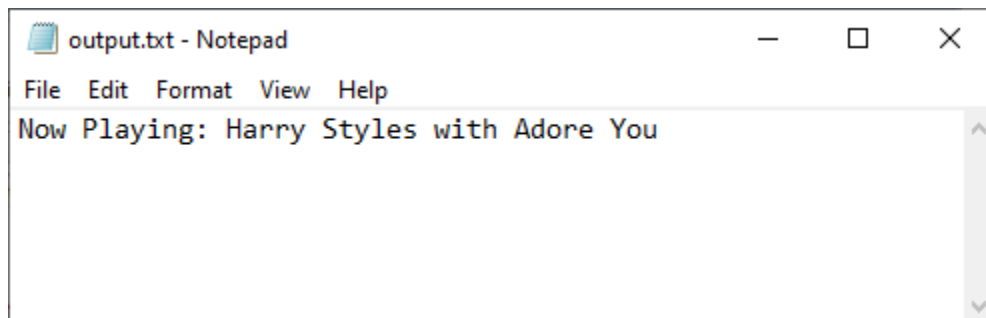
The File / FTP Output configuration window also allows you to setup automatic FTP upload for the output files but we will not be using FTP in his example. Click on **OK** to close the window.



You can now see the File /FTP Output has been added to the list of Outputs in OCP 5 and that the status shows that the Output file has been successfully updated.



Let us take a look at the output.txt file OCP 5 has created.

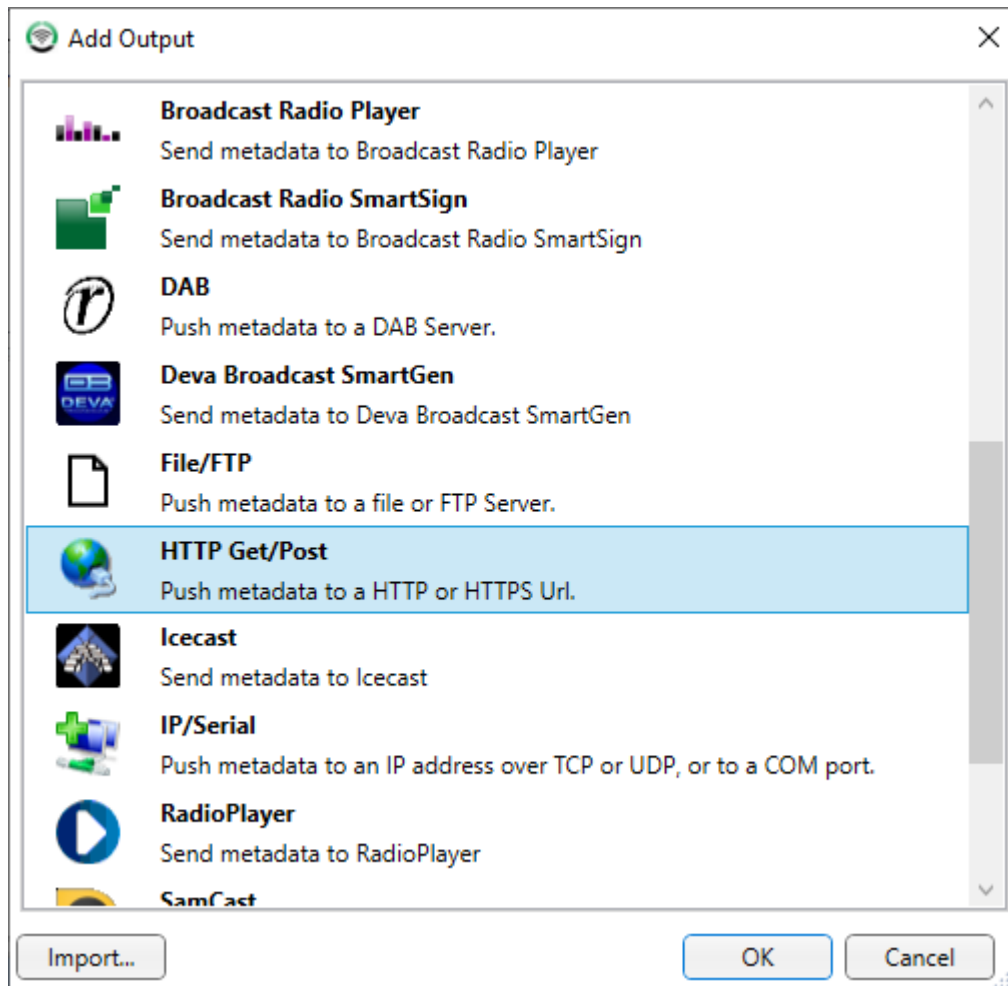


As you can see the <OCP_NOW_ARTISTNAMES> and <OCP_NOW_CART_ITEMTITLE> tags have been replaced with the correct information from Myriad Playback.

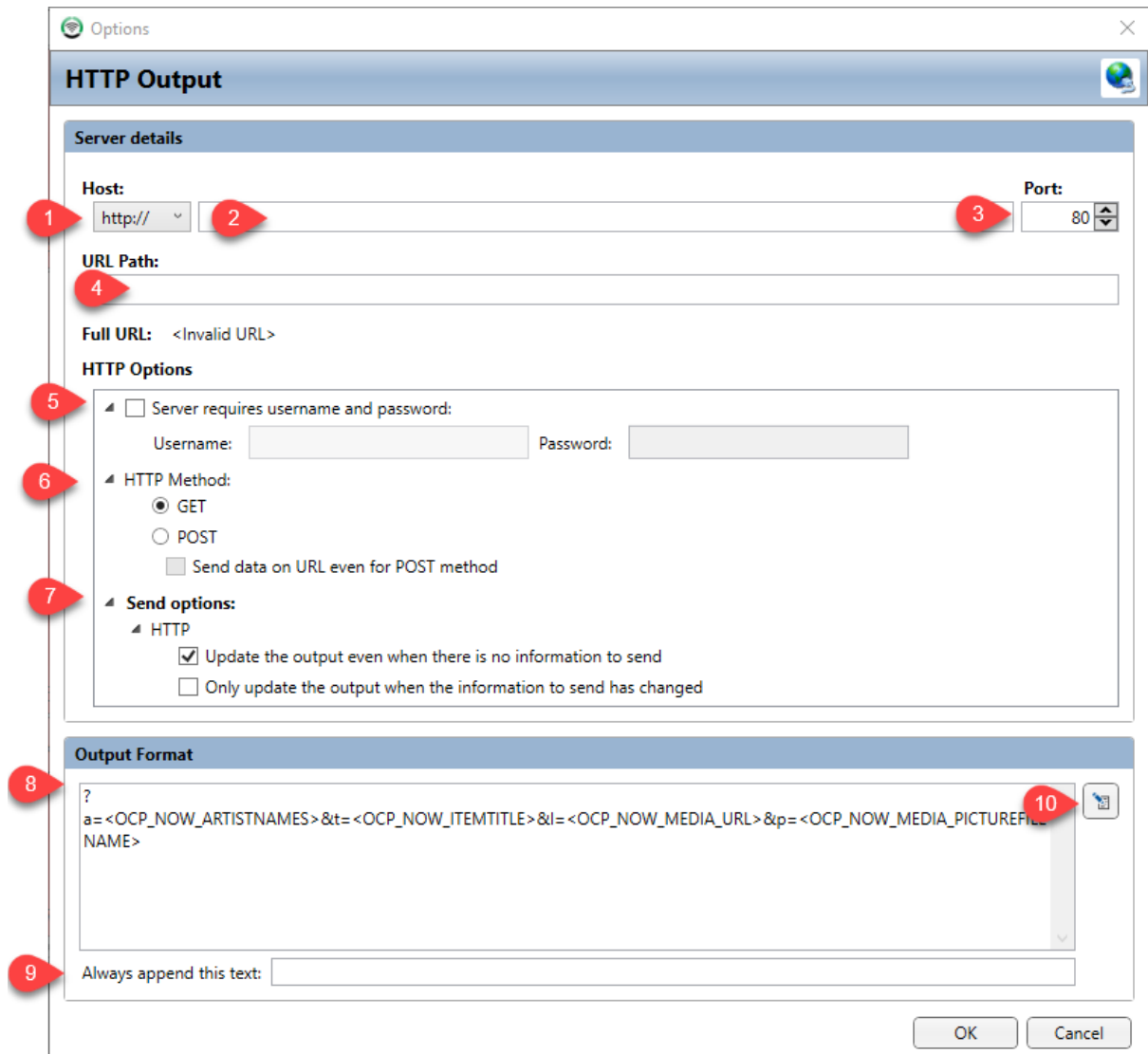
HTTP GET /POST Output (OCP 5 Pro only)

Another commonly used Output from OCP 5 Pro is the HTTP GET/POST output which can be used to communicate 'Now Playing' information with a variety of devices and web services that communicate via standard web protocols.

Click on the **Add Output** button and select **HTTP GET/POST** from the list.



This will open the settings window.



1. Host - Choose from HTTP or HTTPS.
2. Server Name – Set the Server Name or IP Address you need to connect to.
3. Port: Set the Port that should be used for the connection.
4. URL (inc path) – Add any addition path URL information that may be required for your Output.
5. Login Name – Add a Login name and Password if required.
6. Request Method – Choose between a GET and a POST method.
7. Send Options – Set the criteria OCP uses to trigger an update.
8. Output Format – Build the output string OCP will send using a mixture of characters and OCP Tags. See Format Builder.
9. Add a string that will be appended to the end of the Output.
10. Launch the Format Builder (see later chapter).

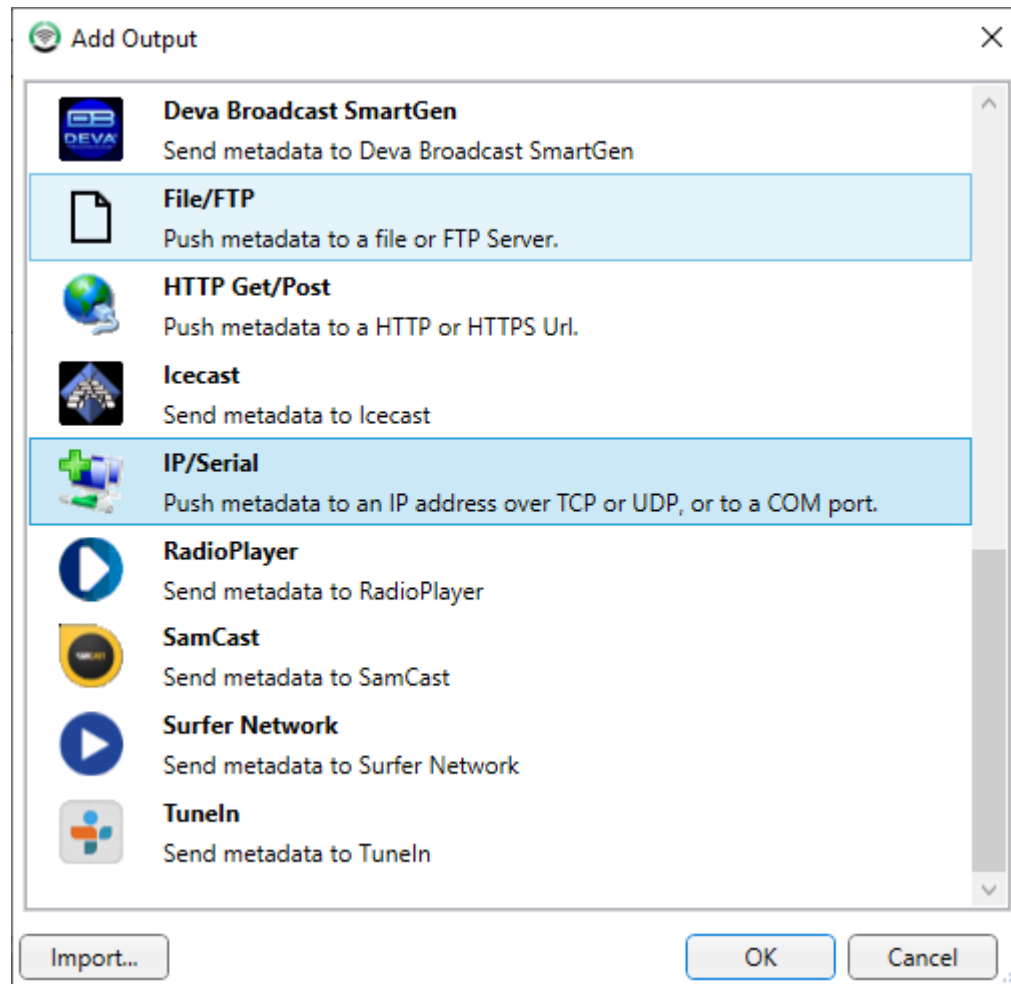
Social Posts

Previous versions of OCP 4 and OCP SE required a Social Media output but the connection to Facebook and Twitter is natively built into OCP 5 so as long as you have setup your Facebook and Twitter authentication (see Quick Start) then Myriad 5 Payout will be able to post content to these platforms.

IP or RS232 (OCP 5 Pro only)

If you want OCP 5 to communicate with an external device, this is often done using the IP or RS232 Output.

Click on the Add Output button and select the **IP/Serial** from the list.



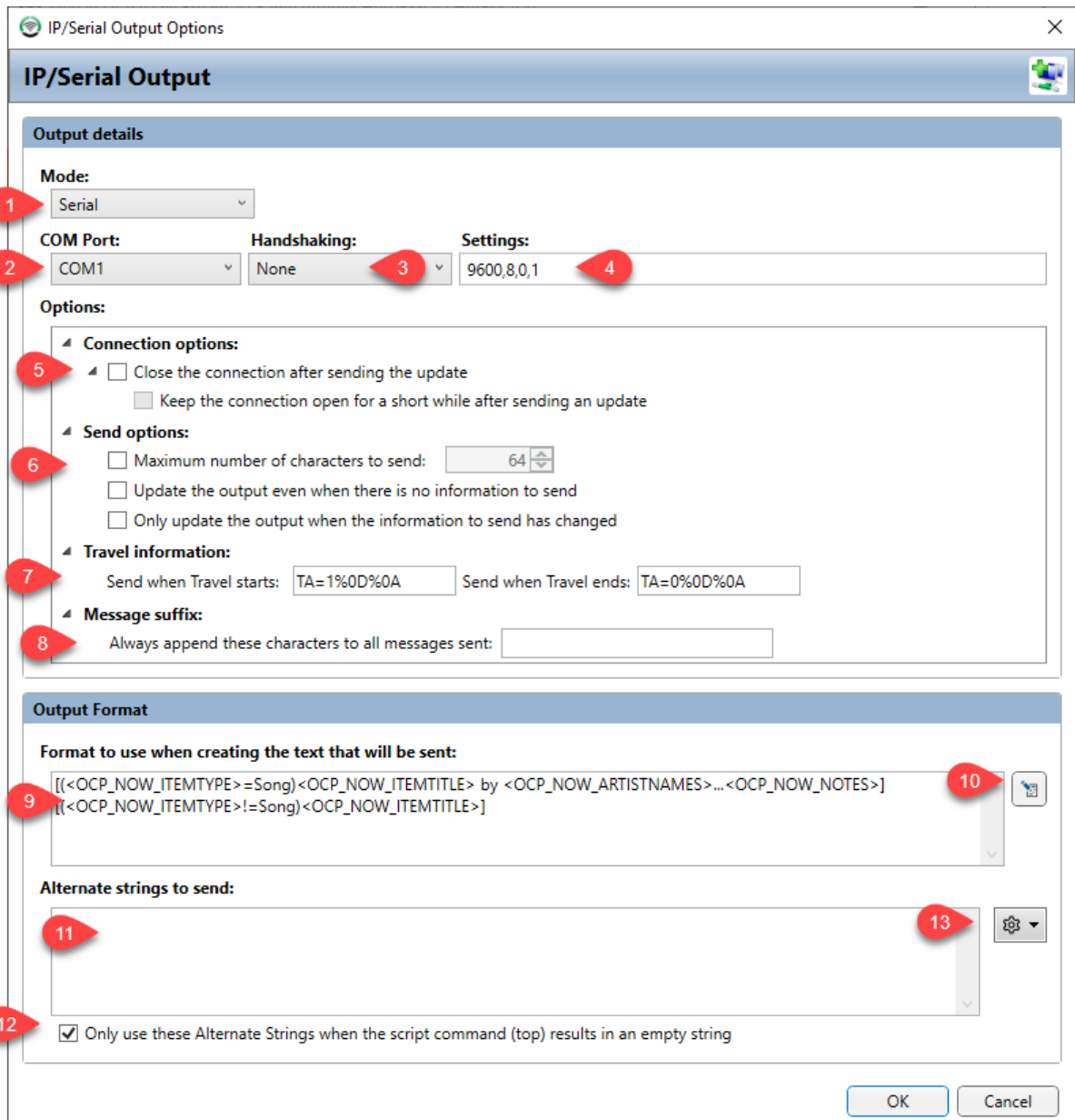
This Output can be used to send information on three formats:

- Serial (RS232) – Typically used for RDS or legacy devices.
- TCP – Used to communicate with network devices.
- UDP – Fast, single direction network protocol.

Adding A Serial Output

The same settings window is used for Serial / TCP and UDP Outputs as they are conceptually the same but the settings are slightly different. To add a Serial Output, first select **Serial** from the **Mode** drop down.

You can then fill in the rest of the settings you need for sending information to your Serial device.



1. Mode allows you to change the Output between Serial, TCP and UDP. The selection will change the settings options in the window.
2. COM – Set the communications port (COM Port) to use.
3. Set whether the device you are connecting to is expecting 'handshaking'.
4. Set the communication speed and format (Baud Rate,Parity,Data Bits,Stop Bits).
5. Set whether the connection should be closed immediately after each update or kept open for a short time.
6. Allows you to set options to restrict the maximum length of update as well as what to do if the update contains no information.
7. You can also set the 'Travel Flag' start and end message format to match the format your device is expecting. The Travel Flag is triggered when an update starts with the key word set in Station Settings.
8. You can also set a suffix which will be appended to the end of each message.
9. Output format allows you to set the format of the update to be sent. This is done using a combination of standard characters mixed with special OCP Tags that will be replaced with 'live' information. For more details see Format Creator.
10. Open the Format Creator which is a tool to help you build the Output Format (See Format Creator chapter).

11. You can also add an alternative text string to Output that can be used to either fill in when the main Output results in an empty string, or to automatically cycle through creating a carousel of information. See Alternate Strings & Carousel Files.
12. This tickbox is used to set when the alternative string is used. If ticked then the alternative string section is only used if the main Format Output will result in a totally empty value. If this option is left unticked, but the Output is set to refresh periodically then each time it refreshes (without the content from Myriad being different) then a random string from either the main Output or one of the Alternate Outputs will be displayed.
13. This option allows you to build a list of Alternative Strings or point OCP at a specially formatted 'carousel file' that contains a list of date/time restricted strings. For more detail on this see Alternate Strings & Carousel Files.

Output Format

Format to use when creating the text that will be sent:

```
[[(<OCP_NOW_ITEMTYPE>=Song)<OCP_NOW_ITEMTITLE> by <OCP_NOW_ARTISTNAMES>...<OCP_NOW_NOTES>]
[[(<OCP_NOW_ITEMTYPE>!=Song)<OCP_NOW_ITEMTITLE>]
```

Alternate strings to send:

Ring us on 01482 350700
 Check out the breakfast show tomorrow from 7am
 Follow us on @broadcastradioUK

Only use these Alternate Strings when the script command (top) results in an empty string

OK Cancel

Adding An TCP Output

This option is very similar to the Serial Output but the communication method uses TCP/IP networking instead of RS232. TCP is often used to communicate with modern, network enabled devices.

To add a TCP Output, select **TCP** from the **Mode drop down**.

The screenshot shows the 'IP/Serial Output Options' dialog box. The 'Output details' section is highlighted with a red border. Within this section, the 'Mode' is set to 'TCP'. The 'Address' field contains '127.0.0.1' and the 'Port' field contains '81'. Red callouts labeled '1' and '2' point to these fields. Below the 'Output details' section is the 'Options' section, which includes expandable sections for 'Connection options', 'Send options', 'Travel information', and 'Message suffix'. The 'Output Format' section is also visible, containing a text area for the format string and another for alternate strings to send.

As you can see, the only section that changes is the top section where you need to set the address and port number for OCP to send the Output to.

1. Address – time in the IP address that OCP needs to send the Output to.
2. Type in the unique port that OCP will use to send the Output to.

This information will be unique for each device and network location.

Adding A UDP Output

Whilst both Serial and TCP connections can be considered 'two way', a UDP connection can be thought of as a 'directed broadcast' in that OCP will send the Output to the selected IP address and port but will not wait for confirmation that it is received. Please consult your devices documentation to determine whether to use TCP or UDP.

To setup a UDP Output, select **UDP** from the **Mode drop down**.

IP/Serial Output Options

IP/Serial Output

Output details

Mode: UDP

Address: 127.0.0.1 1 Port: 81 2

Options:

- Send options:**
 - Maximum number of characters to send: 64 3
 - Update the output even when there is no information to send
 - Only update the output when the information to send has changed
- Travel information:**
 - Send when Travel starts: TA=1%0D%0A Send when Travel ends: TA=0%0D%0A
- Message suffix:**
 - Always append these characters to all messages sent:

Output Format

Format to use when creating the text that will be sent:

```
[[(<OCP_NOW_ITEMTYPE>=Song)<OCP_NOW_ITEMTITLE> by <OCP_NOW_ARTISTNAMES>...<OCP_NOW_NOTES>]
[[(<OCP_NOW_ITEMTYPE>!=Song)<OCP_NOW_ITEMTITLE>]
```

Alternate strings to send:

```
Ring us on 01482 350700
Check out the breakfast show tomorrow from 7am
Follow us on @broadcastradioUK
```

Only use these Alternate Strings when the script command (top) results in an empty string

OK Cancel

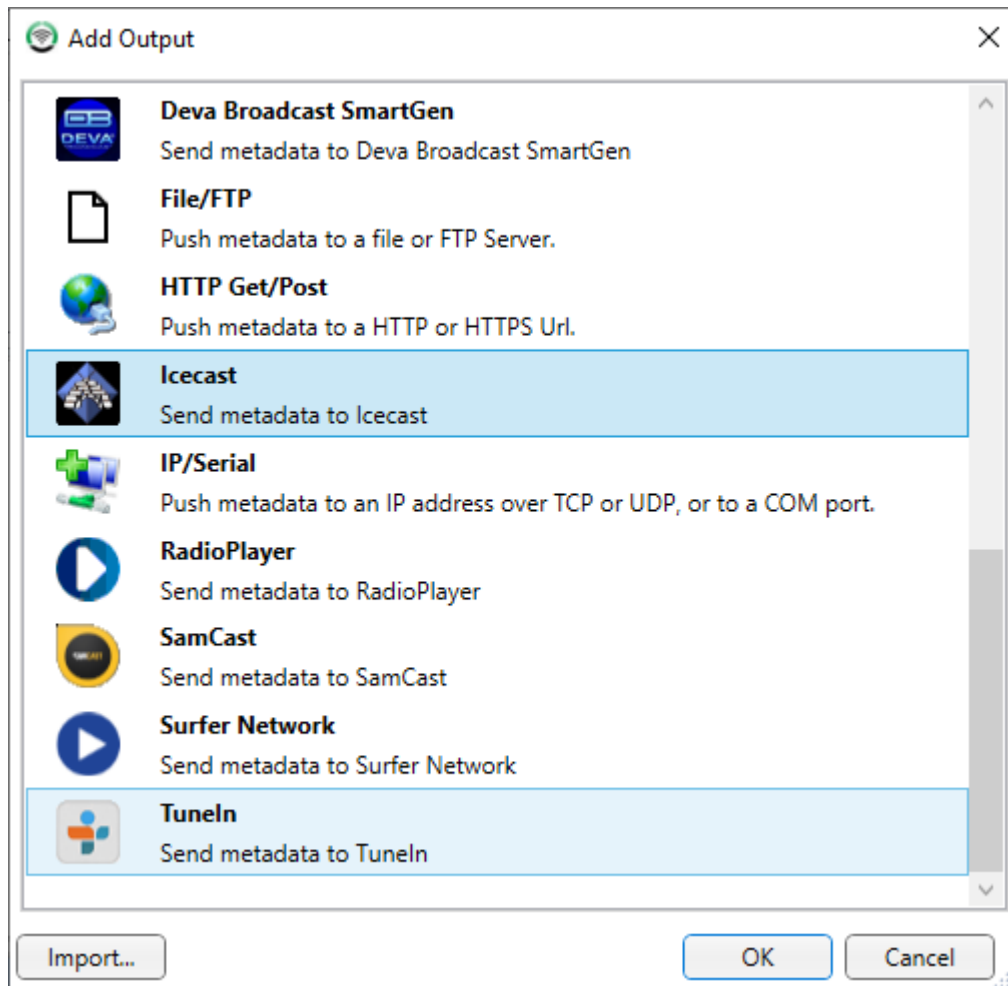
As you can see, the UDP settings are very similar to both Serial and TCP Outputs.

1. Address – time in the IP address that OCP needs to send the Output to.
2. Type in the unique port that OCP will use to send the Output to.
3. Notice that the options related to closing the connection are missing from the UDP Output. That is because with UDP, a connection is never established, rather OCP just sends the Output to the IP address blindly.

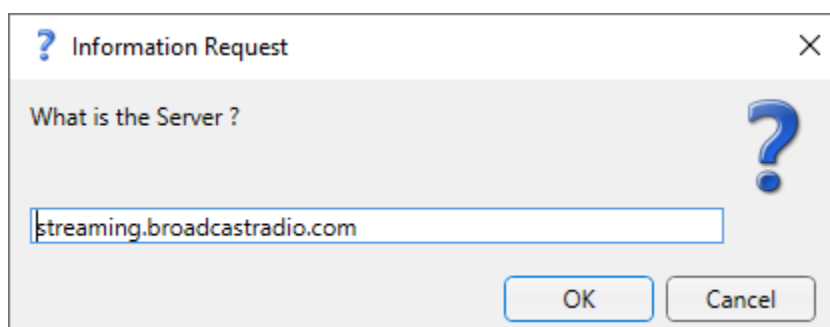
Icecast Output (Standard & Pro)

The Icecast Outputs allow you directly embed 'Now Playing' information into your Icecast streams. This information is often used by 3rd party 'player applications' to display now playing information.

To add a Icecast Output, click on the **Add Output** button and select Icecast from the list.

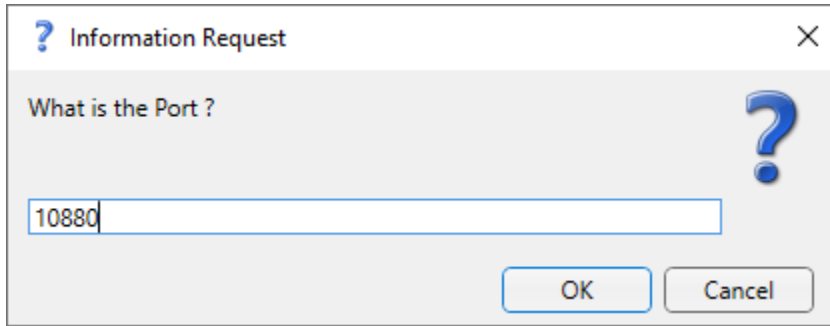


Next you will be asked to enter the address of you Streaming Server. Type in the address supplied by your streaming provider.

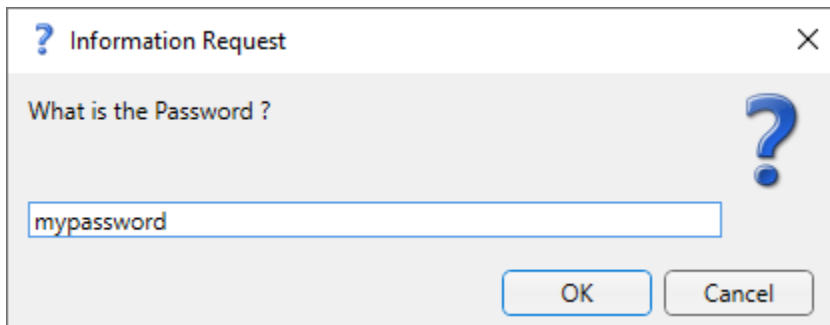


Make sure you **don't** include the HTTP:// prefix .

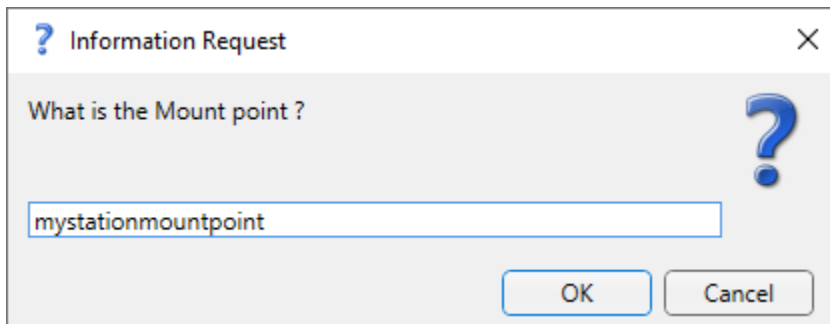
You will then be prompted to enter the unique Port for your stream. Again, this should be supplied by your streaming provider.



Once the Port is set, you will be asked to type in your connection password. This needs to be exact so we recommend pasting it in.



Finally you will be asked for your stations unique Mountpoint. Your streaming provider will be able to supply this information.



When you click on OK in this final window, you will see the overall settings for the Icecast Output

1. The top section contains the information that you entered in the four initial question windows. If you need to alter any of the details, you can do so here.
2. This is the specific settings for connecting to an Icecast server. The only setting you should adjust in this section is the password (if you need to).
3. The Output Format determines the format of the information that will be sent to Icecast. The default will be 'Song Title' by Artist Name. For more information on adjusting this Output Format see Format Creator.

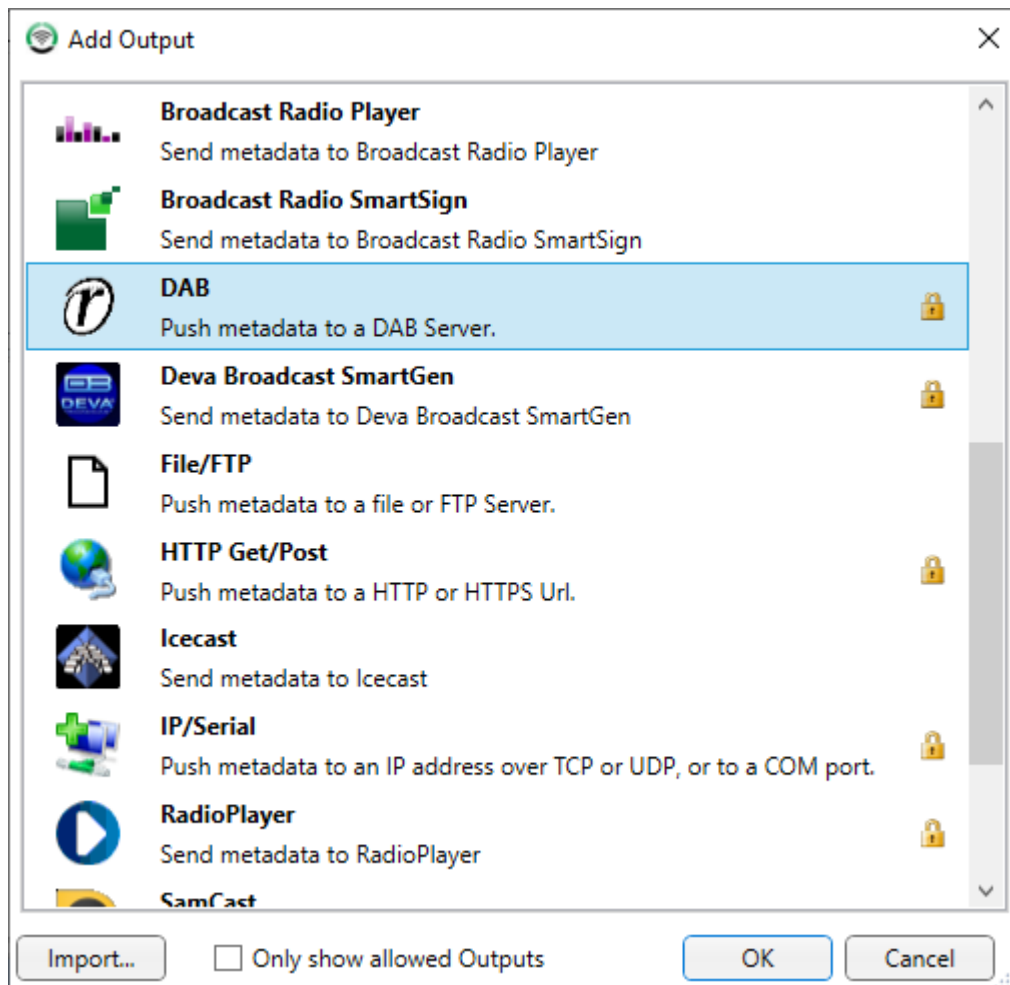
You should not need to adjust any of these settings. Click on **OK** to save the settings.

DAB Output (OCP Pro Only)

The DAB Output allows you to use OCP 5 to encode text in to the data stream of a DAB (Digital Audio Broadcast) transmission. This is also sometimes known as DLS (Dynamic Link Segment) text.

In theory, DAB transmissions can include a wide range of additional text and picture information but at present, most DAB receivers can only decode text from the data stream. In addition, the method for encoding the text into the data stream has not been agreed as a standard so the method can vary in different Countries or even across different service providers. In the UK, the majority of DAB transmission service providers use a specification developed by RadioScape™ and it is this standard that OCP 5 also uses.

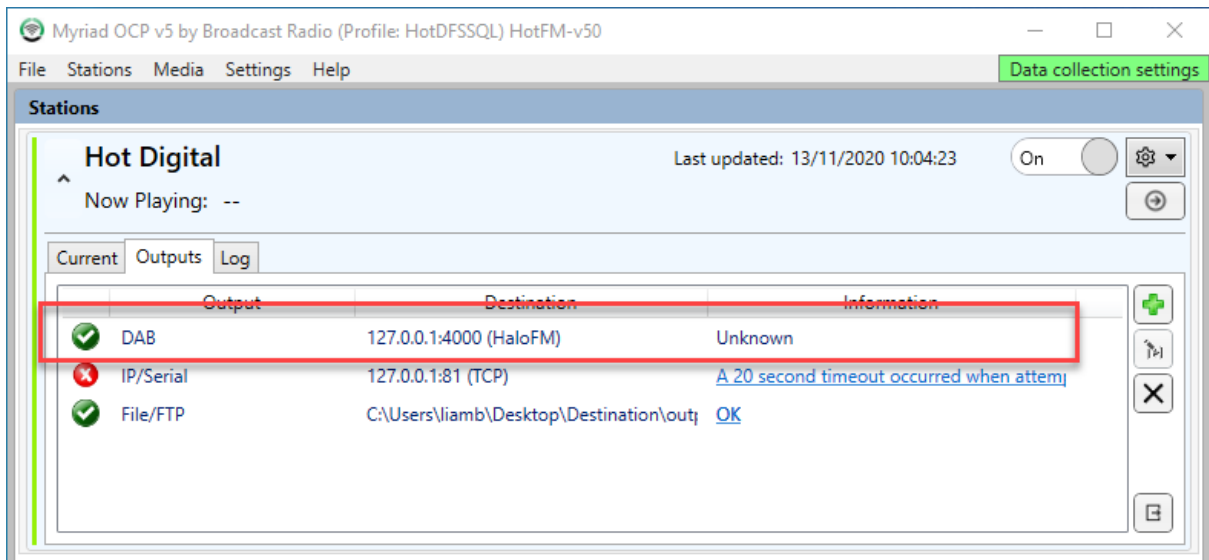
To begin adding a DAB Output, click on the **Add Output** button and then select DAB Output from the list of available Outputs.



This will open the DAB Output settings window.

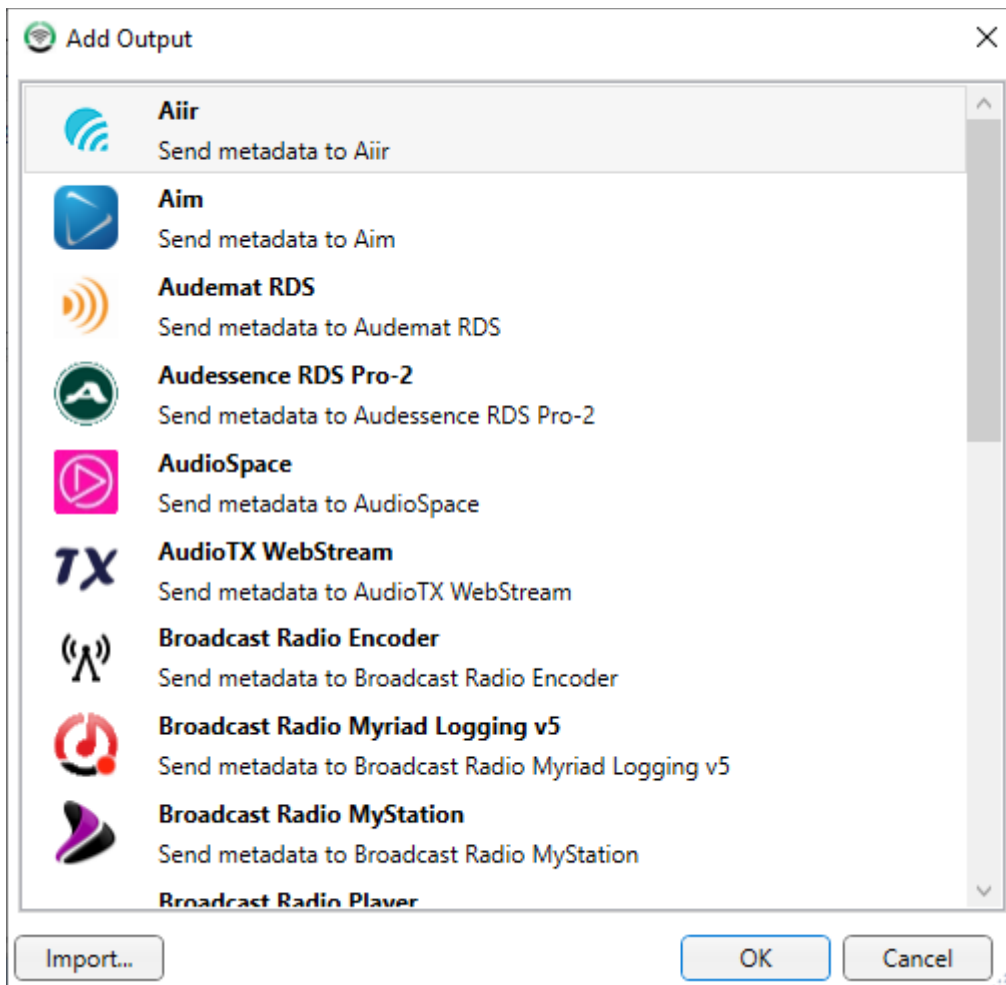
1. Host - Type in the Host field allows you to type in the network name or IP address of the DAB service that OCP will send Outputs to.
2. Port - Add in the specific Port that OCP will use to send data.
3. Service name – Add in the service name used to connect to the service (this and the password will be provided by your service provider).
4. Password – Set the password needed to connect.
5. Limit Characters – This setting allows you to place a maximum limit on the amount of characters that will be included in the Output.
6. Message Suffix – You can also add a suffix that will be automatically added to the end of the Output.
7. Output Format – This allows you to set the Output string using a combination of characters and OCP Tags. You can use the Format Creator to aid with building this Output.
8. Launch Format Creator – Accesses the Format Creator which is used to build Output strings using a combination of characters and OCP Tags. See separate section on Format Creator.
9. Alternate String – You can also add additional strings or a link to an external 'carousel file' that contains additional (date time sensitive) information. This is most commonly used to create a carousel of information on displays such as DAB radios in cars. See Alternate Strings & Carousel Files for more information.
10. Alternate String Builder - Allows you to build your Alternate Strings or select a Carousel file.
11. Remove Alternate String – Removes the selected Alternate String.
12. Only Use When Empty – This option allows you to tell OCP to only use the Alternate string if the main Output Format is totally blank.

Once you are happy with the DAB Output settings, click on **OK** to add the Output.



Other 3rd Party Outputs (OCP Pro Only)

There are a number of other Outputs in OCP 5 Pro that are not covered in this documentation although all of them will be a variation on an Output that is covered so you can get the relevant information.



Most of these Outputs have been added for a specific device or service and the majority of them will require OCP 5 Pro to access them. The list of supported 3rd party Outputs changes regularly so please update to the latest version of OCP 5 to see a complete list.

Output Formats & The Format Creator

In all the Outputs covered so far there is a section in the settings called the **Output Format** which is used by OCP to generate the output text string that is sent to the destination for the Output. The same is also true of the Alternate Strings and even the Carousel files.

These 'Output Strings' combine standard text with special OCP Tags that are replaced with 'live' information before the Output is sent to its destination.

You can even add advanced features such as 'IF' conditions using OCP tags so you could have an Output that displays the name of a Song when a Song is playing but changes to 'Now from our sponsors' when an advert is playing.

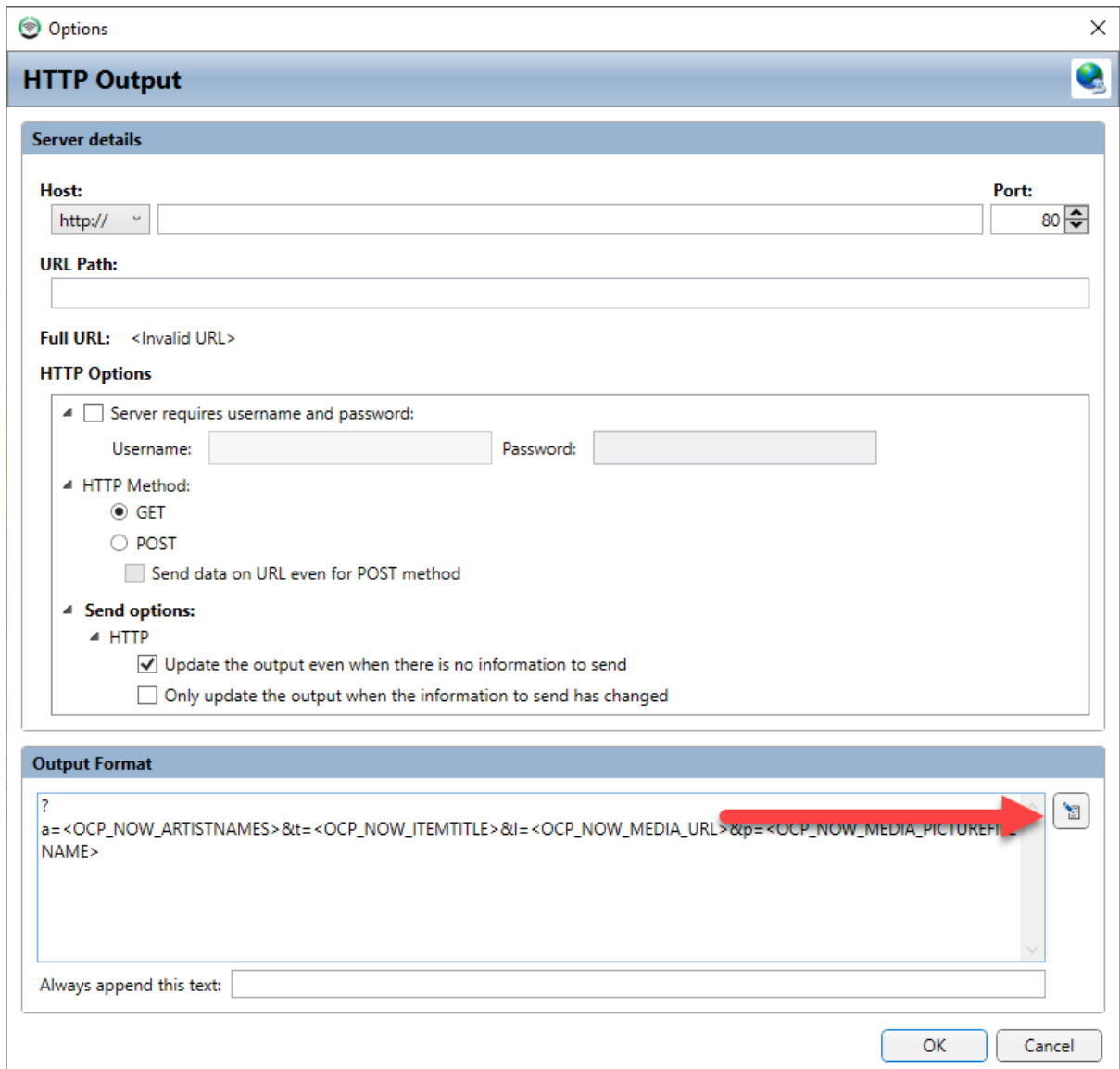
Take a look at Output Script used in the simple File / FTP Output example used earlier.



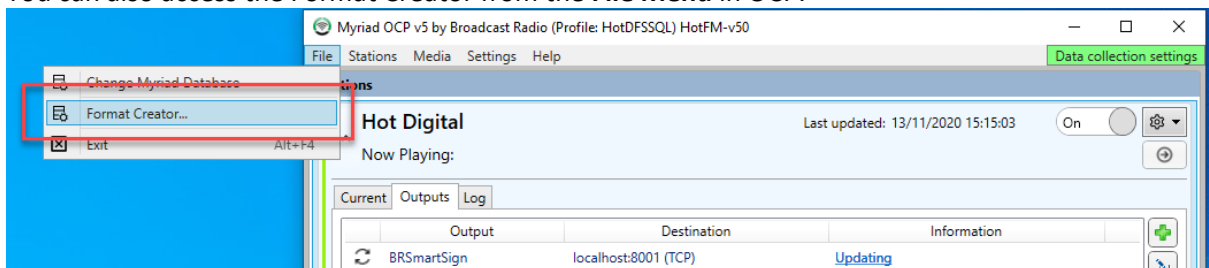
Typing even this simple script by hand would be time consuming and prone to errors so instead we recommend you use the special **Format Creator tool** to create all Output Scripts for all Outputs.

Accessing The Format Creator

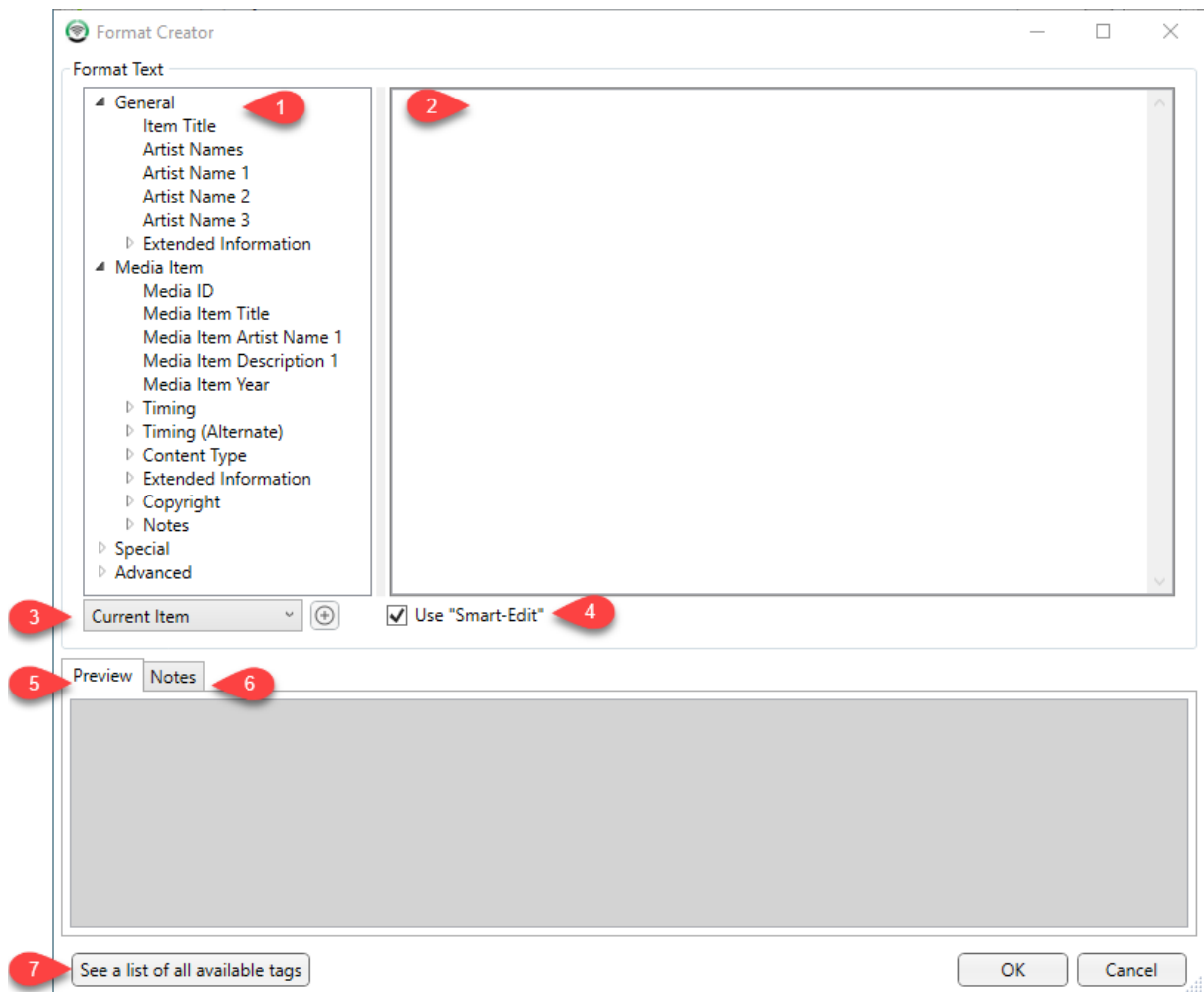
You can access the Format Creator directly in each Output (except File / FTP) using the **Open Format Creator** button.



You can also access the Format Creator from the **File Menu** in OCP.



The Format Creator



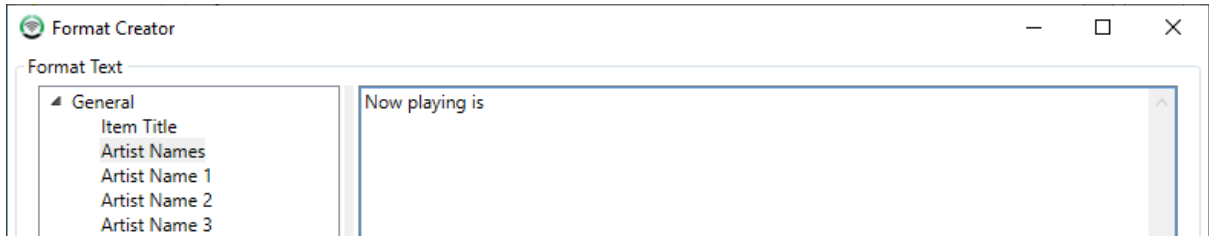
1. Available Tags - You can view a list of all available OCP Tags using the tree view on the left hand side.
2. Edit Area - This is the script edit area that allows you to view and edit the scripts.
3. Tag Scope - This allows you to set the scope of the OCP tags you are editing. So if you select Current Item then add a Artist Name tag, the OCP Tag will be <OCP_NOW_ARTISTNAMES> which means show the Name(s) of the 'now playing' artists. If you changed this drop down to Previous Item or Next Item, the tag would change to <OCP_PREVIOUS_ARTISTNAMES> or <OCP_NEXT_ARTISTNAMES> correspondingly.
4. Smart-Edit - With this option ticked, the Format Creator will attempt to assist and correct formatting errors in your scripts.
5. Preview – Shows an 'real time' preview of the Output your script will result in (based on most recent update from Myriad Payout).
6. Notes- Displays some additional information to help you use the format creator.
7. See List Of All Available Tags – This opens a text file containing a full list of all available OCP tags.

You can type in the format you need in the in the Format area and then use the OCP tags on the left hands side to add the OCP tags.

So, let's say we wanted to create an output Format that resulted in:

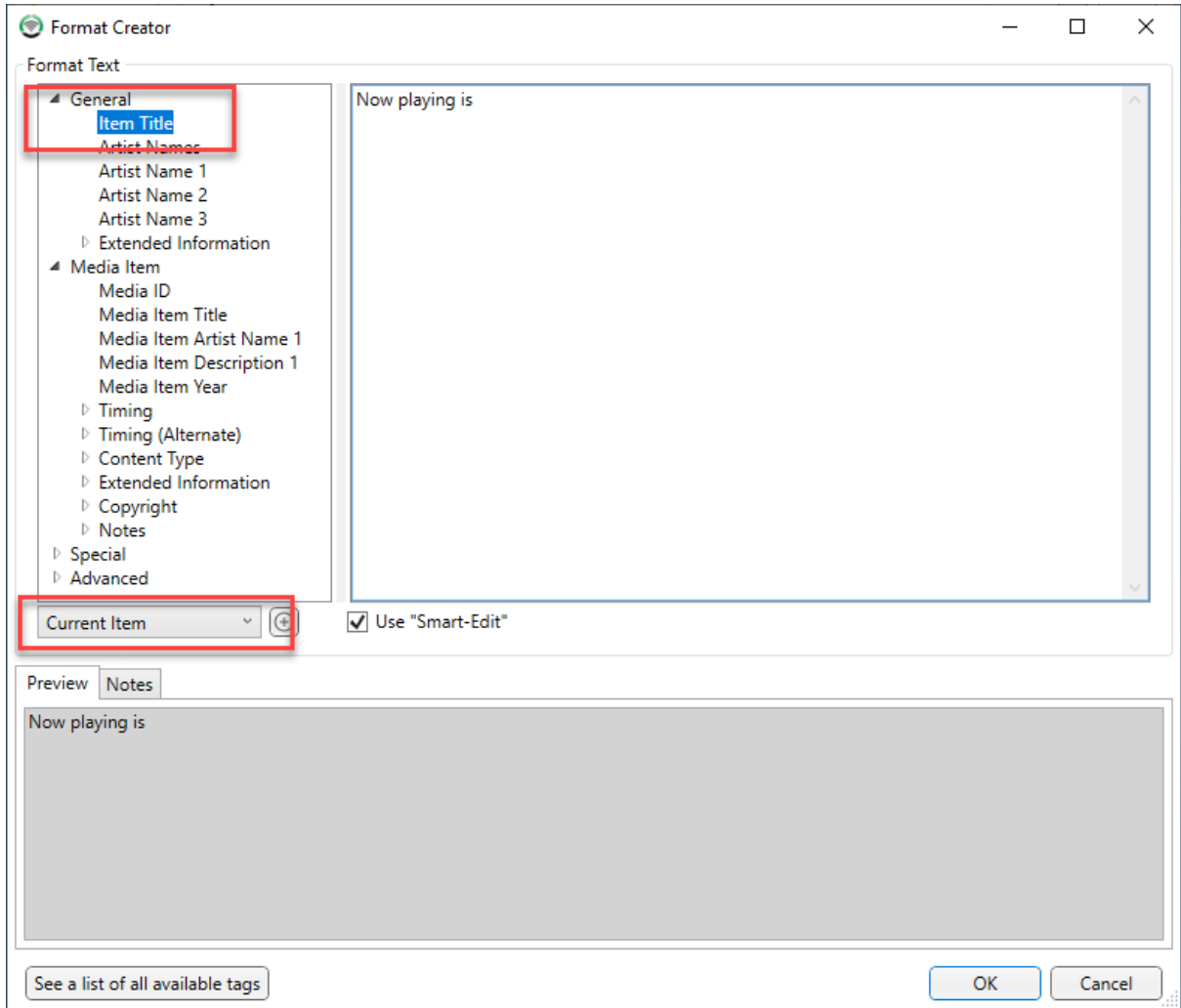
Now playing is (Song Title) by (Artists), followed by (Next Artist)

We could type in the first part into the Format area.

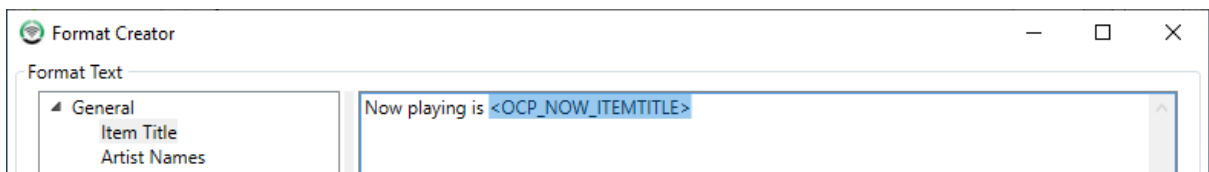


The next bit we need is the OCP Tag for the currently playing item title.

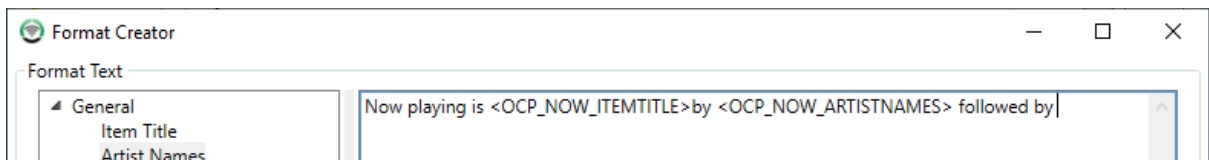
Make sure the scope is set to **Current Item** then double click on the **Item Title** option in the left list.



This will result in the tag <OCP_NOW_ITEMTITLE> being added to edit area.

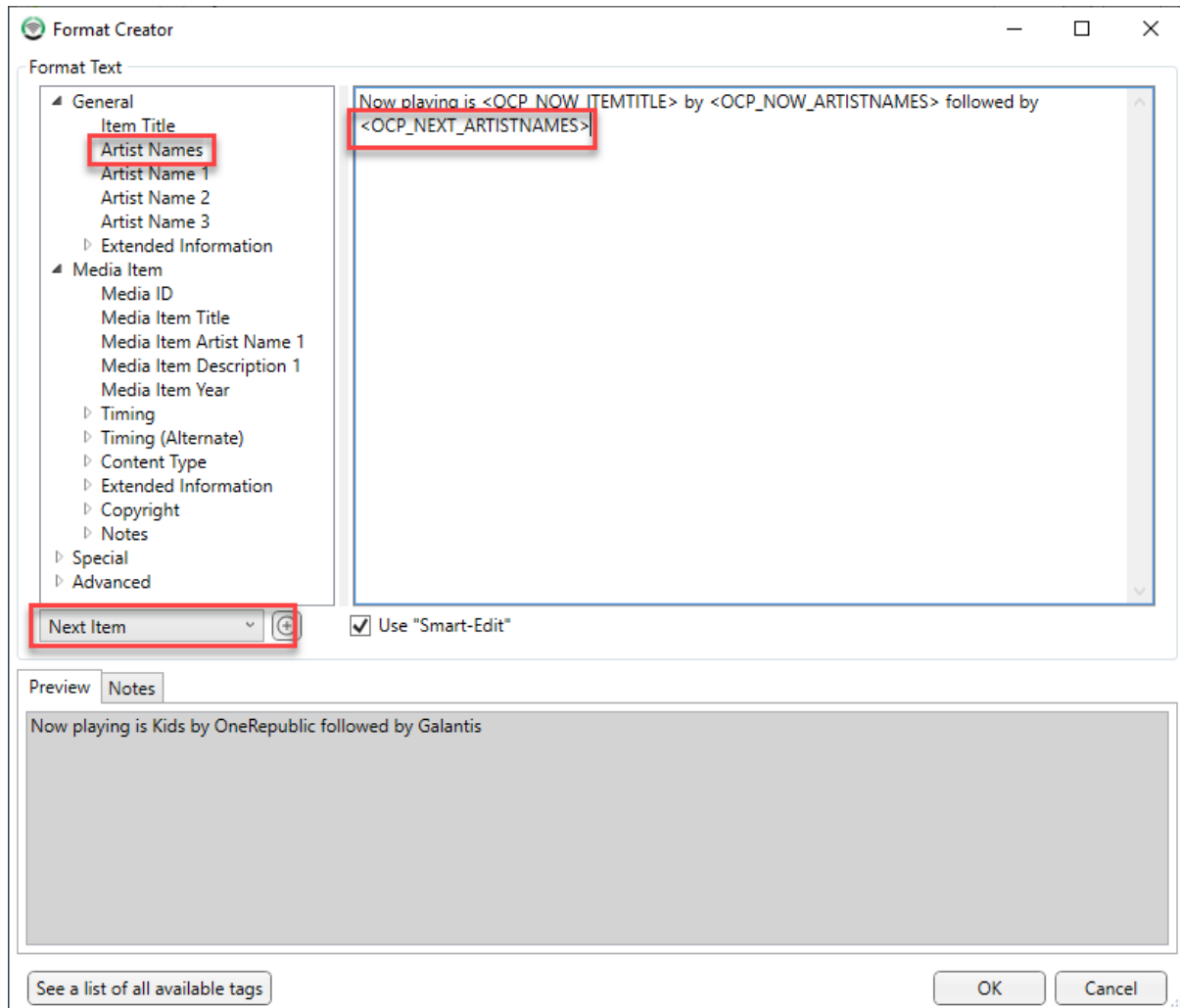


Next add in 'by' and use the same technique to add in the Artist Names tag.

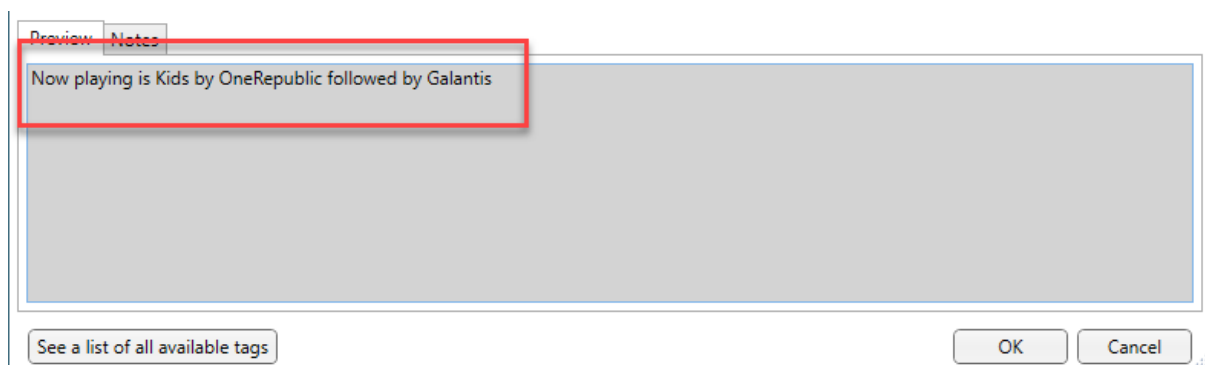


For the final OCP Tag we need to change the scope to **Next Item** as we don't want the currently playing Artist, we want the next Artists to play.

Change the **scope** to be **Next Item** then double click on the **Artists Names** option in the left list.

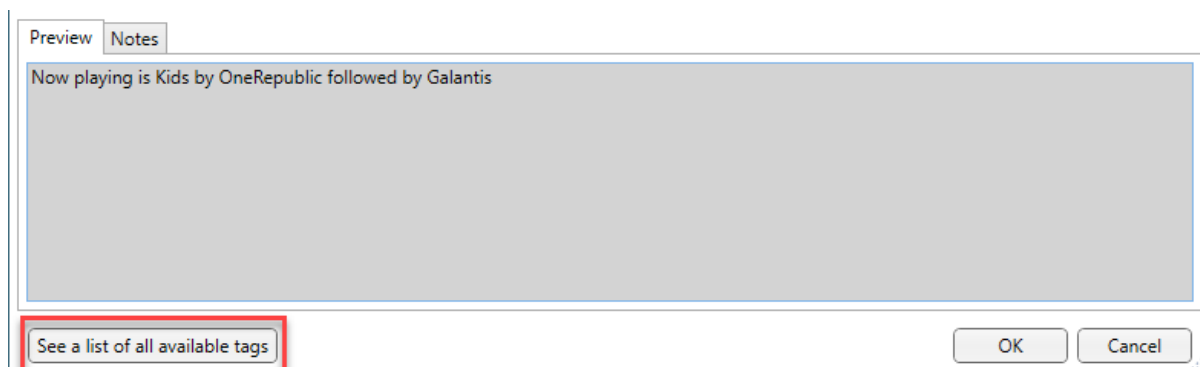


If Myriad Payout is connected to OCP and supplying updated information, you will see the **Preview** area will show you an example of your Output Script using the most recently supplied information.

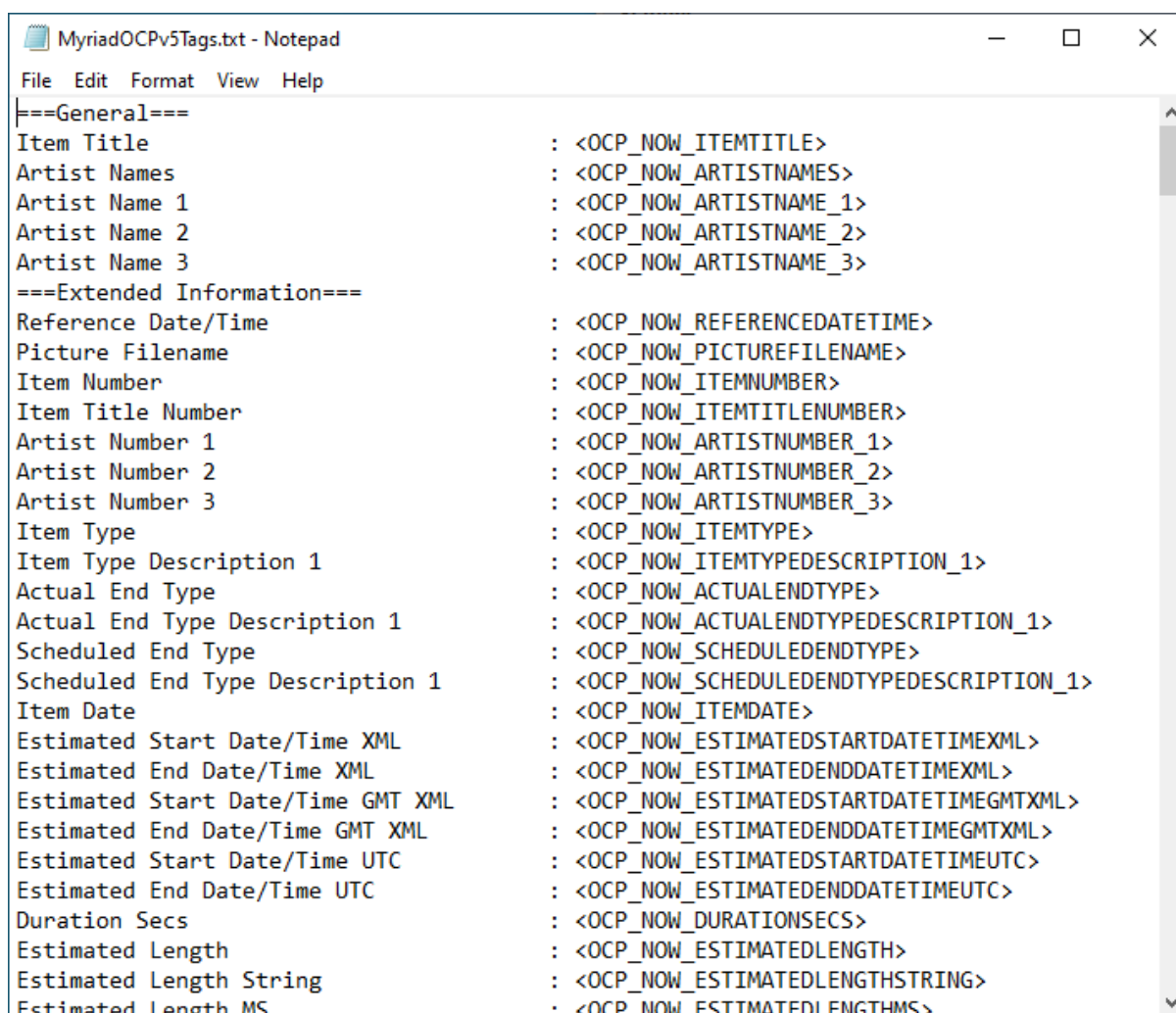


The **Format Creator** allows you to explore the various OCP Tags that are available and construct the correctly formatted Output without need to type in all the OCP tags.

If you want to browse a full list of available OCP Tags, click on the **See A List Of All Available Tags** button.



The list will open in your default text editor.



More Advanced Formats – Conditional Statements

So far we have seen a very simple Format String generated using the Format Creator to determine what information is sent to a range of Outputs.

Throughout this first example, we assumed that the current and next items were both Songs but what would happen if the current item were a Song but the next was an advert for cheeseburgers. In our simple example, the information sent to the Encoder could look like:

Now playing Crazy by Britney Spears followed by McDonald's Enjoy A Big Mac

This is probable not what either you or the advertiser had in mind but with OCP 5 you can build in conditional statements using the Format Creator to deal with different item types differently.

We are starting to get a little more complicated now but keep with it as once you have this, it can be a really powerful tool and allow you to do some very advanced things with OCP 5.

First let's get the syntax out of the way. When using conditional statements in the Format Creator, we basically create a different Format String for each of the conditions that we want to use, encapsulate each of these strings in [and] and start each with the condition that we want to be met in order for OCP 5 to use this section. This bit is encapsulated in (and). So in English we want:

[(If current item is a song) display Now Playing *Song Title* by *Artist*] [(If current item is an advert) display Sponsored by *Advertiser's Name*]

So if the current item is a Song then display the normal information but if the current item is an Advert, change the text to say Sponsored by and then the Advertisers name.

The actual script we would use is

```
[(<OCP_NOW_ITEMTYPE>=Song) Now Playing: <OCP_NOW_ITEMNAME> by  
<OCP_NOW_ARTISTS>]
```

```
[(<OCP_NOW_ITEMTYPE>=Advert) Sponsored By:  
<OCP_NOW_ITEMNAME>]
```

In this case, if the current item is a Song then the first section would be used. If the item is an advert the second section would be used (we are also assuming that the advertisers name was in the Item Name in Myriad).

You can also use != which means 'not equal to' and if you leave the condition as blank then OCP 5 treats it as empty. This means that if we added an additional line of:

```
[(<OCP_Next_ARTISTS>=!) Coming soon: <OCP_Next_ARTISTS>]
```

In this example, if the Next Artists information is provided by Myriad Payout then OCP 5 will add 'Coming soon Britney Spears' to the end of the Output string but if Myriad does not provide an Artist Name for the Next item then nothing would be displayed as the condition for this section would not be met.

Finally, you can add additional Format Strings by putting the ##### characters in to the Format Creator to signal to OCP 5 that this is that start of a new Format String.

Please note that you cannot 'nest' conditional statements so it is not possible to have two conditions within a single section.

N.B. Because () and <> and [] are used by OCP 5 to signal sections of the Format String, if you need to use them in any text that you want in the string, you need to add two of them e.g. [[will be ignored by OCP 5 and displayed as [on the final output.

Alternate Strings & Carousel Files (OCP Pro only)

Certain OCP Pro Outputs include the ability to add Alternate Strings or Carousel files to allow OCP to Output alternative or additional information when certain criteria are met. The Output types that this applies to are:

- DAB Outputs
- IP/Serial Outputs

The main use for this when you are using an Output to send information to a dynamic receiver such as a DAB radio or Dynamic RDS radio. These devices have the ability to update the text displayed periodically so that different information is displayed.

A good example would be a DAB radio. When a new Song is played, OCP will always Output the main information first (usually Song Name by Artists) but with the correct setup, 10 seconds later the information may change to display the name of the show or presenter, then 10 seconds later it may display a promo for the breakfast show etc.

This type of effect can be achieved using the Alternate String or Carousel files. In this example we will use the DAB Output but the same process can also be used on the IP/Serial Output.

The screenshot shows the 'Options' dialog box for 'DAB Output'. The 'Options' section includes fields for Host (127.0.0.1), Port (4000), Service Name (HaloFM), and Password (masked). The 'Other Options' section has a 'Send options' section with a checkbox for 'Limit each message to: 128 characters' and a 'Message suffix' section with a text box. The 'Output Format' section has a text box with the following format: `[[(<OCP_NOW_ITEMTYPE>=Song)<OCP_NOW_ITEMTITLE> by <OCP_NOW_ARTISTNAMES>...<OCP_NOW_NOTES>]
[[(<OCP_NOW_ITEMTYPE>!=Song)<OCP_NOW_ITEMTITLE>]`. The 'Alternate strings to send' section is highlighted with a red box and contains a large empty text box, a settings icon, and a close icon. Below the text box is a checkbox labeled 'Only use these Alternate Strings when the script command (top) results in an empty string' which is checked. The dialog has 'OK' and 'Cancel' buttons at the bottom.

Triggering Alternate Strings

There are two things that can trigger the use of Alternate Strings (or Carousel files) in OCP 5 Pro.

1. The main Output text results in a totally empty string – i.e. if Alternate string is not used, nothing will display.
2. You set the Output to update periodically (every x seconds) in the Station Settings.

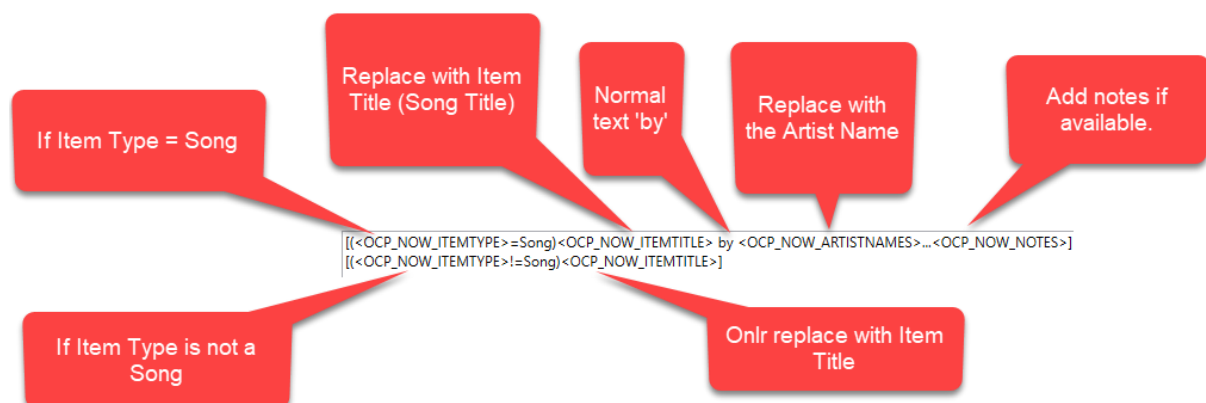
Empty Main Output

Let's deal with the first scenario. Usually OCP will use the Output Format in the main section to build the text string that will form the Output. This will normally be a combination of text and OCP Tags which OCP replacing the OCP tags with 'live' information provided by Myriad Playout.

So in the example above, the main Output format text is:

```
[[<OCP_NOW_ITEMTYPE>=Song]<OCP_NOW_ITEMTITLE> by
<OCP_NOW_ARTISTNAMES>...<OCP_NOW_NOTES>] [[<OCP_NOW_ITEMTYPE>!=Song]<OCP_NOW_I
TEMTITLE>]
```

This is known as the main Output string and was built using the Format Creator.



So in this case, if Myriad Playout tells OCP that a Song called 'Back in black' is playing by AC/DC then (and there are no additional notes) then the Output sent from OCP would be:

'Back in black by AC/DC...'

If however, Myriad Playout tells OCP that an Jingle is playing and the jingle title is 'Sweeper 1' then the Output would send:

'Sweeper 1' which would not be a lot of use!

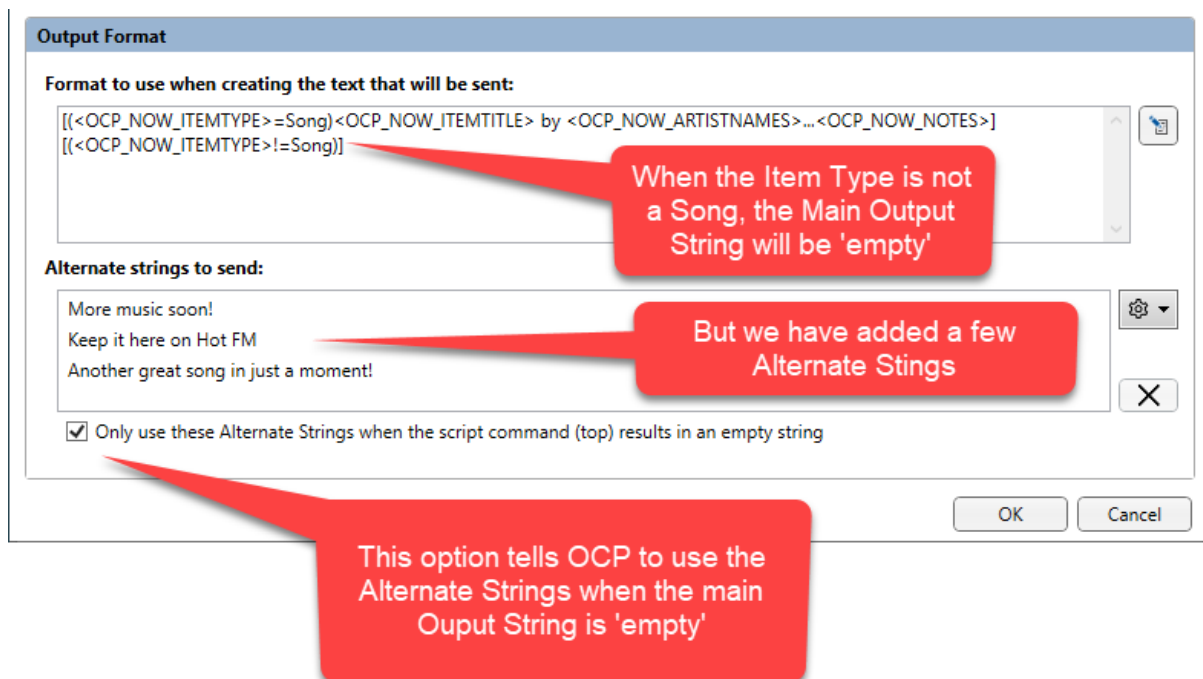
You could of course change the main Output String to use something generic whenever a Song is not playing. So an example could be:

```
[[(<OCP_NOW_ITEMTYPE>=Song)<OCP_NOW_ITEMTITLE> by  
<OCP_NOW_ARTISTNAMES>...<OCP_NOW_NOTES>]][(<OCP_NOW_ITEMTYPE>!=Song)More music  
soon!
```

In this case, whenever a Song is not playing (ie a jingle, advert etc is) then OCP will simply output the following text:

‘More music soon!’

This is fine could get repetitive so you could use the Alternate Strings section to add a few variations on this so that DAB radios display different messages between Songs. Consider the settings below:



We can see in the main Output String, there is nothing listed after the (<OCP_NOW_ITEMTYPE>!=Song) section which means the main Output String will be totally empty.

But we can also see that we have added some Alternate Strings and crucially we have **ticked** the **Only Use these Alternative Strings when the script command is empty** option.

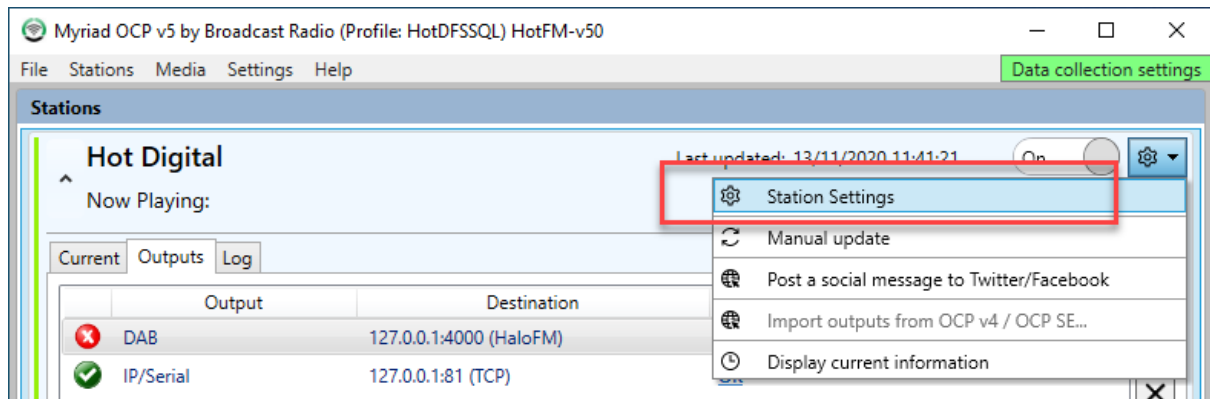


So in with this configuration, when a Song is playing, OCP will send the ‘Song by Artists’ but when an item other than a Songs is playing, it will randomly display one of the Alternate Strings listed.

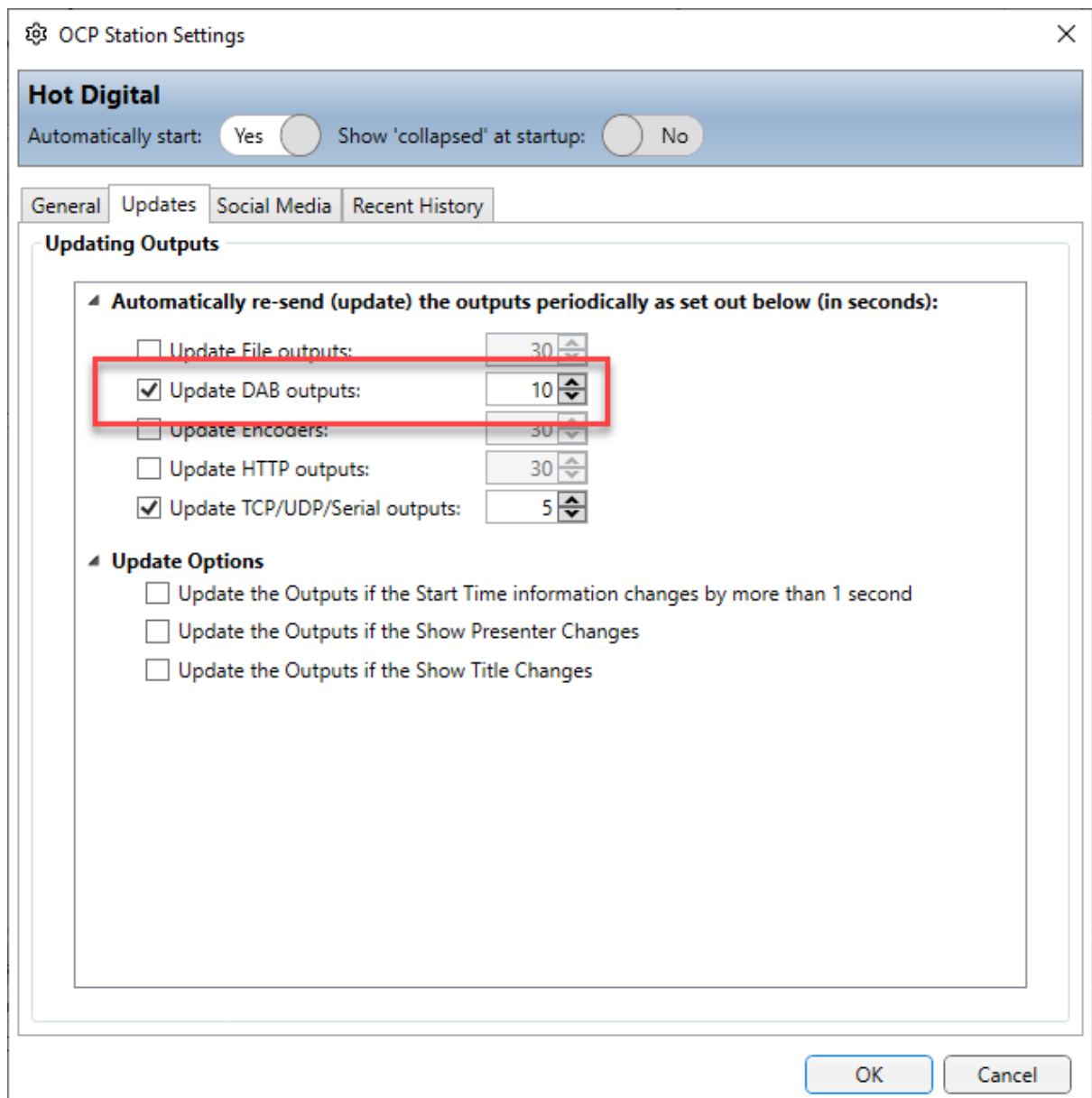
Output Set To Update Periodically

The other scenario that will trigger the use of Alternate Strings is if you have set the Output to update periodically in the Station settings.

To view this settings click on the Station Settings ‘cog’ and select the **Station Settings** from the drop down menu.



Next switch to the **Updates** tab.



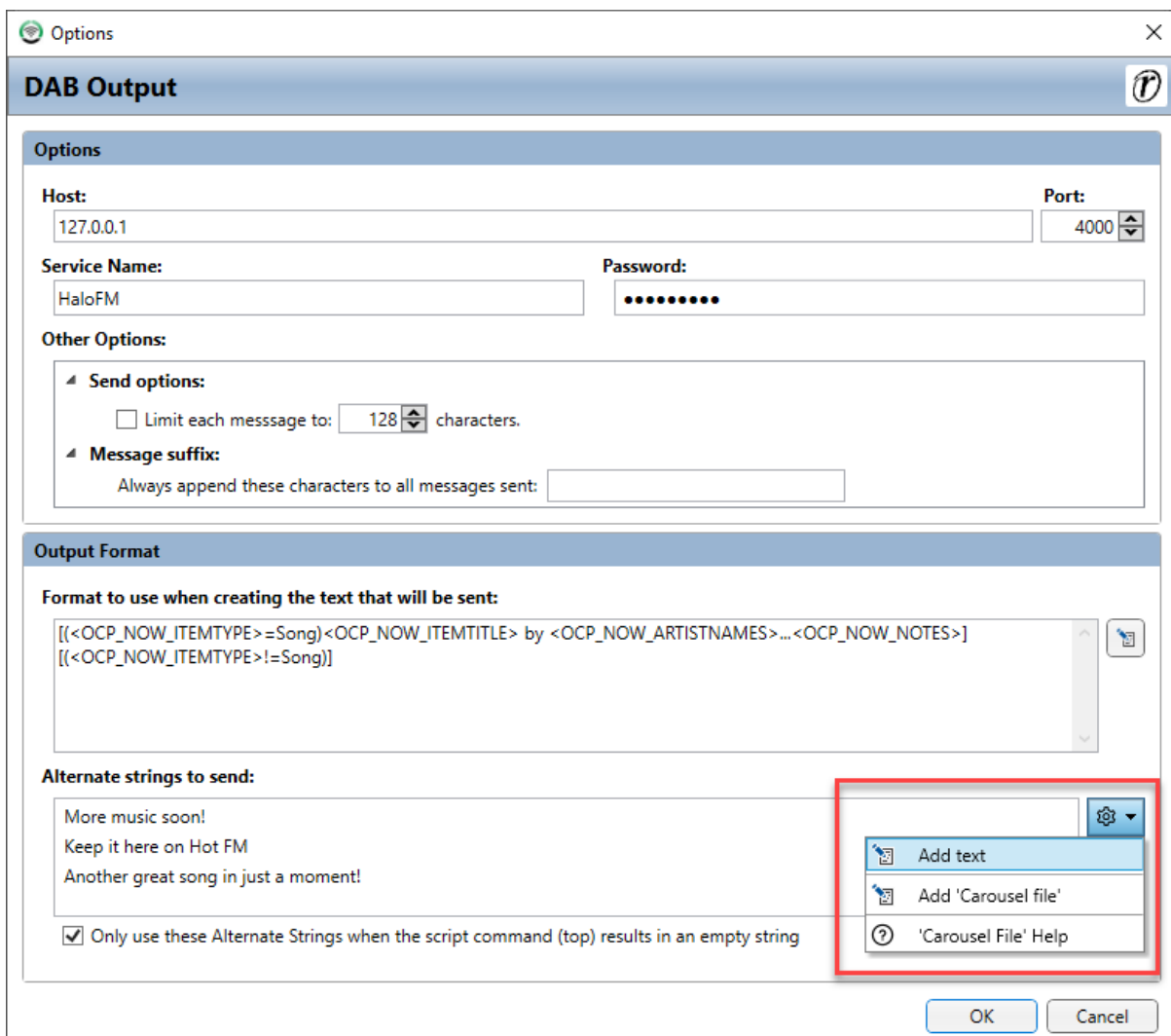
In this example, the DAB Output has been set to automatically update every 10 seconds. This setting changes the way that OCP deals with updates whenever Myriad Playout informs OCP that the currently playing item has changed. The sequence is:

1. When the currently playing item changes in Myriad Playout, it will send the details of the new current item to OCP.

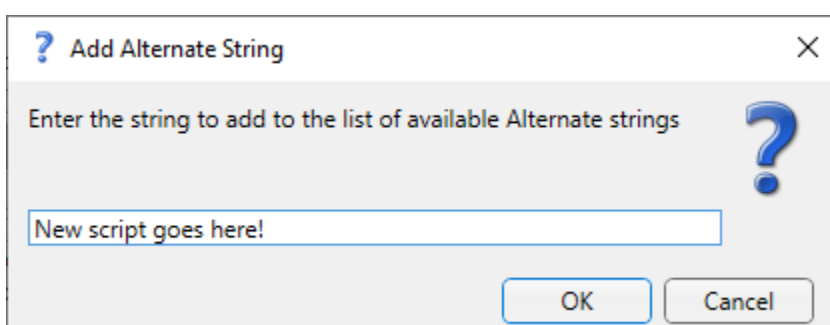
2. OCP will always use the main Output Script on the first update after the current item has changes (so the first update may well be 'Back to black by AC/DC').
3. Then 10 seconds later, OCP will perform another update on the DAB Output where it will randomly choose to use either the main Output Script or one of the Alternate Scripts (or something from the carousel file if configured).
4. This selection will continue to repeat every 10 seconds until the next update from Myriad Playlist.

Adding Alternate Scripts

Now that we know the conditions under which Alternate Scripts should be used, we can review how to add them!

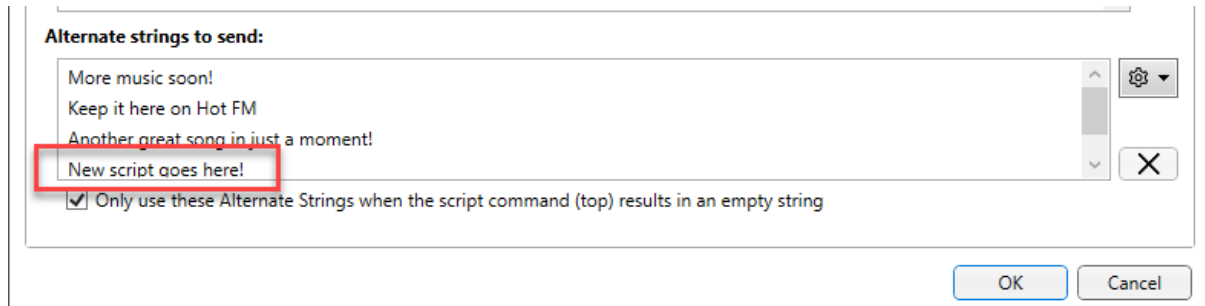


In the DAB or IP/Serial Output Settings, click on the **Alternate Scripts Settings Cog** and select **Add Text** from the drop down menu.



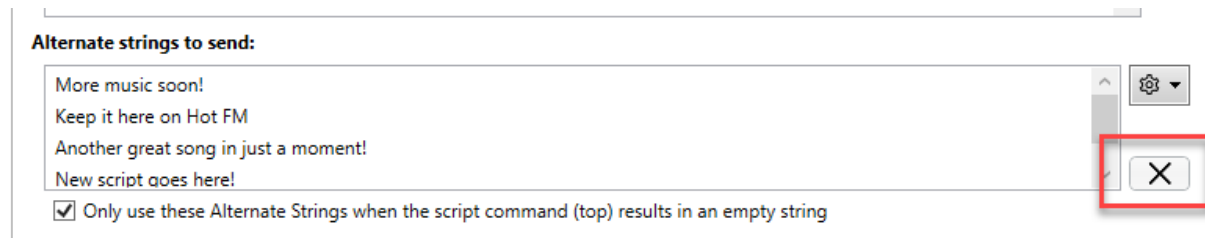
Please note that you can use plain text, OCP tags or a combination of both (see Format Creator).

You then type in your script into the pop-up dialogue box and click on **OK**.



Your Alternate Script will be added to the list.

You can also **remove** an Alternate Script by highlighting it then clicking on the **Remove Script** button.



Carousel Files

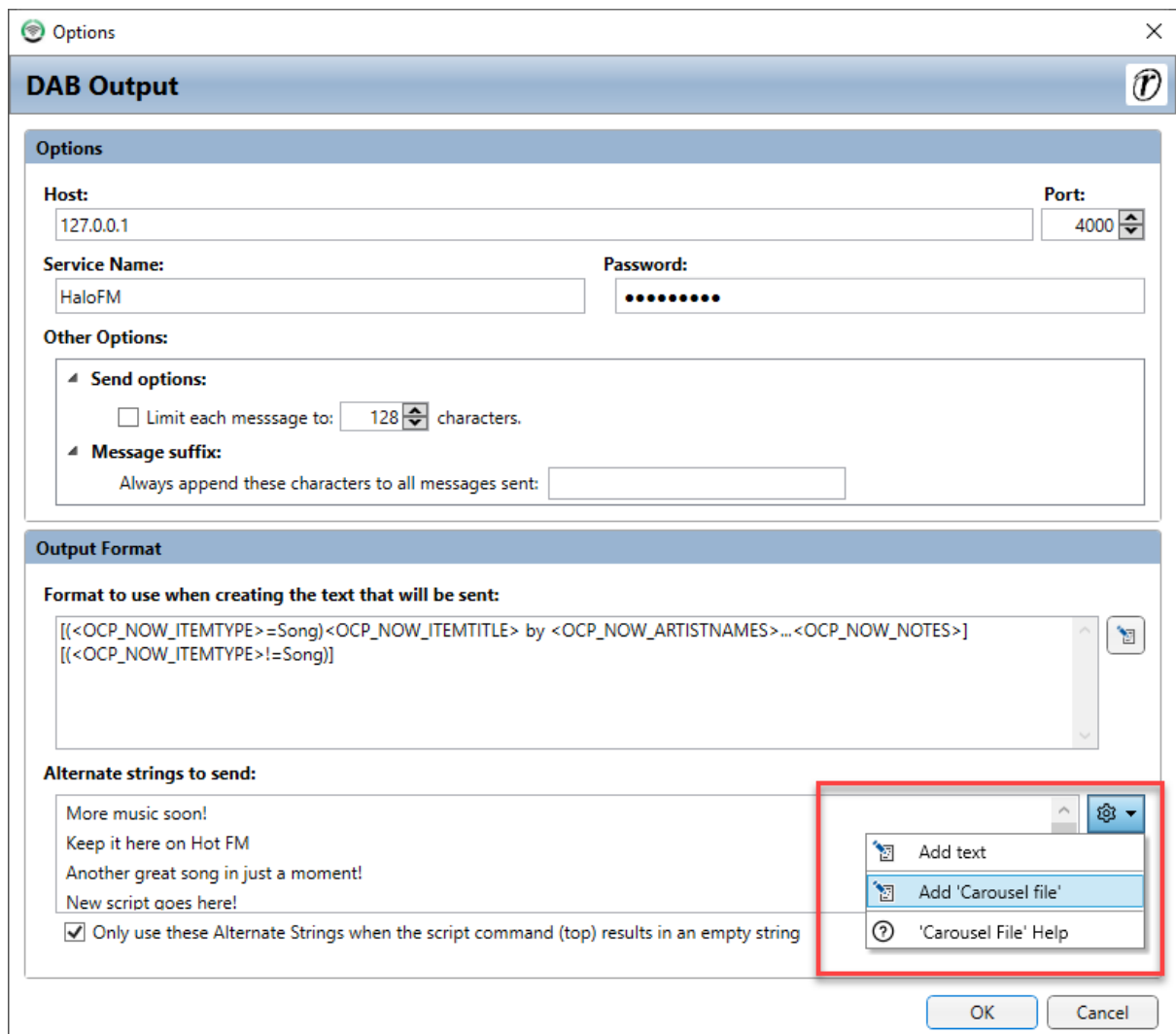
An alternative to using the Alternate Scripts detailed above it to use a specially formatted Carousel file.

A Carousel file is a file that contains a number of Alternate scripts along with some additional information about when they are valid to use.

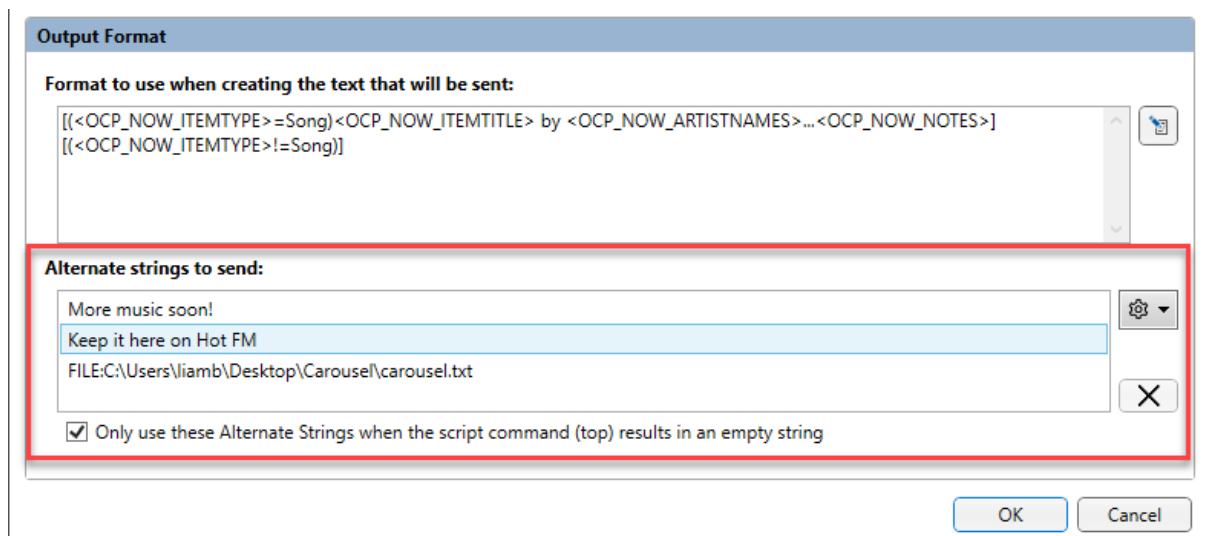
Alternate Scripts work well for generic messages but what if you wanted to display a message something like 'Listen to Monday Madness today from 3pm'? This would not be possible with a Alternate Script (at least not having it only play on Mondays!) but a Carousel file contains information when scripts can be used as well as the scripts themselves.

Adding A Carousel File

To add a Carousel file, you need to click on the **Alternate Strings Settings Cog** and select **Add Carousel File** from the drop down list.



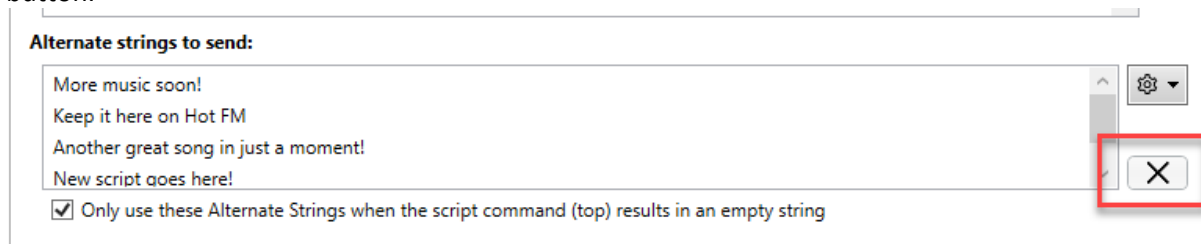
You can now browse to the location of your Carousel file.



As you can see, the Carousel file has been added to the Alternate String list which means that each time the Output updates (without the current item changing), it will randomly choose something from the Alternate Strings list including the Carousel file. If the Carousel file is selected then a valid entry is randomly selected from the list in the file.

It would be more common to have only Carousel file in the Alternate Script list as that way you can be assured your Carousel file scripts are being used.

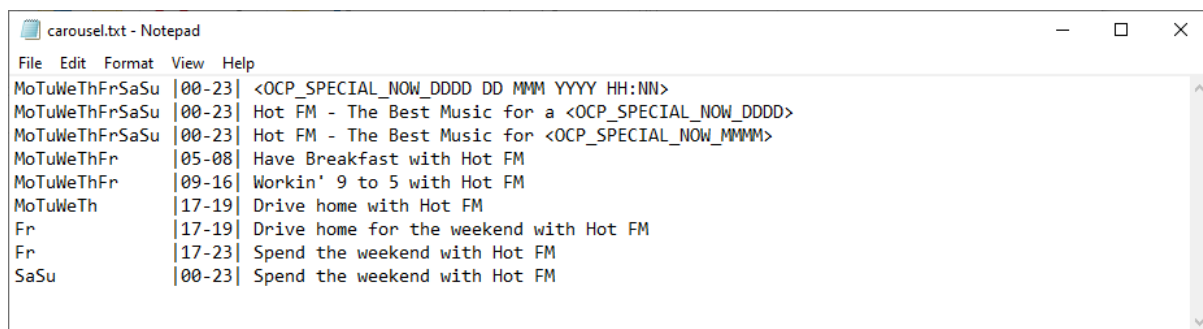
You can **remove** a Carousel file by selecting it and then clicking on the **Remove Alternate Script** button.



Carousel File Format & Layout

A Carousel file should be a standard text (.txt) file with a suitable name and location.

Let's take a look at the Carousel file we used in the previous example.



You can see the text that included in the file and replicated below:

```
MoTuWeThFrSaSu |00-23| <OCP_SPECIAL_NOW_DDDD DD MMM YYYY HH:NN>
MoTuWeThFrSaSu |00-23| Hot FM - The Best Music for a
<OCP_SPECIAL_NOW_DDDD>
MoTuWeThFrSaSu |00-23| Hot FM - The Best Music for
<OCP_SPECIAL_NOW_MMMM>
MoTuWeThFr |05-08| Have Breakfast with Hot FM
MoTuWeThFr |09-16| Workin' 9 to 5 with Hot FM
MoTuWeTh |17-19| Drive home with Hot FM
Fr |17-19| Drive home for the weekend with Hot FM
Fr |17-23| Spend the weekend with Hot FM
SaSu |00-23| Spend the weekend with Hot FM
```

Each line with the Carousel file is a separate Script and each Script is divided into three sections which are separated by the pipe or '|' character (next to the z on a keyboard). The format of lines within a Carousel file is as follows:

Valid Days | Valid Times | Filler text or tags

Valid Days: Each day is represented by a short day code and you must include the code for each day on which you want the Filler to be valid.

So for example:

MoTuWeThFrSaSu – The Script would be valid on every day of the week.

MoTuWeTh – Script would only be valid on Monday, Tuesday, Wednesday and Thursday.

Fr – Script would only be valid on a Friday

Valid Times: Allows you to create a single time band within which the Script is valid.

So for example:

00-23 – Script is valid 24 hours a day.

05-08 – Script is only valid from the 5am to 8am (inclusive) hours

Please note that you can only set a single time band per Scrip but of course you can add multiple Fillers to cover different time bands.

Text Filler or Tags: You can use straight text or OCP 5 tags in this section.

This is the information that OCP 5 will use to generate the DAB or IP/Serial Output.

So by putting it all together you can control exactly when any script in the Carousel file can be used by OCP 5.

```
MoTuWeThFr |09-16| Workin' 9 to 5 with Hot FM
```

So the above Script can be used by OCP 5 from 09 to 16:59, Monday to Friday and when it is selected, OCP 5 will display 'Workin' 9 to 5 with Hot FM' on DAB and IP/Serial Output.

When OCP 5 is using a Carousel file to select the data for an output, it randomly selects a valid Script from the list but because you can add duplicates to the Carousel file, you can make important Scripts come around more often than others.

```
MoTuWeThFrSaSu |00-23| Now playing <OCP 5_Now_Artists> with <OCP 5_Now_ItemTitle> MoTuWeThFrSaSu |00-23| Best music on Hot FM
```

```
MoTuWeThFrSaSu |00-23| Now playing <OCP 5_Now_Artists> with <OCP 5_Now_ItemTitle>
```

```
MoTuWeThFrSaSu |00-23| Listen to Dave in the morning on Hot FM
```

```
MoTuWeThFrSaSu |00-23| Now playing <OCP 5_Now_Artists> with <OCP 5_Now_ItemTitle>
```

```
MoTuWeThFrSaSu |00-23| 99.9FM Hot FM - Hot hits all day
```

Consider the Carousel file example above. There are three identical Scripts that include OCP 5 tags for the Artists and Item Title. These would result in something like:

'Now Playing: Owl City with Fireflies'

The other three Scripts are just random text information.

When using this Carousel file, OCP 5 would randomly select one of these six Scripts each time it is instructed to but because three are the same it means that statistically, every other OCP 5 update would be 'Now Playing Owl City with Fireflies'.

Carousel files are just plain text files so you can create them in Notepad or any other simple text editor. Don't forget you can also use the Format Creator to create more complex strings that include OCP tags.

Conditional Statements in the Format Creator is relatively advanced concept that does require some familiarity with logical programming.

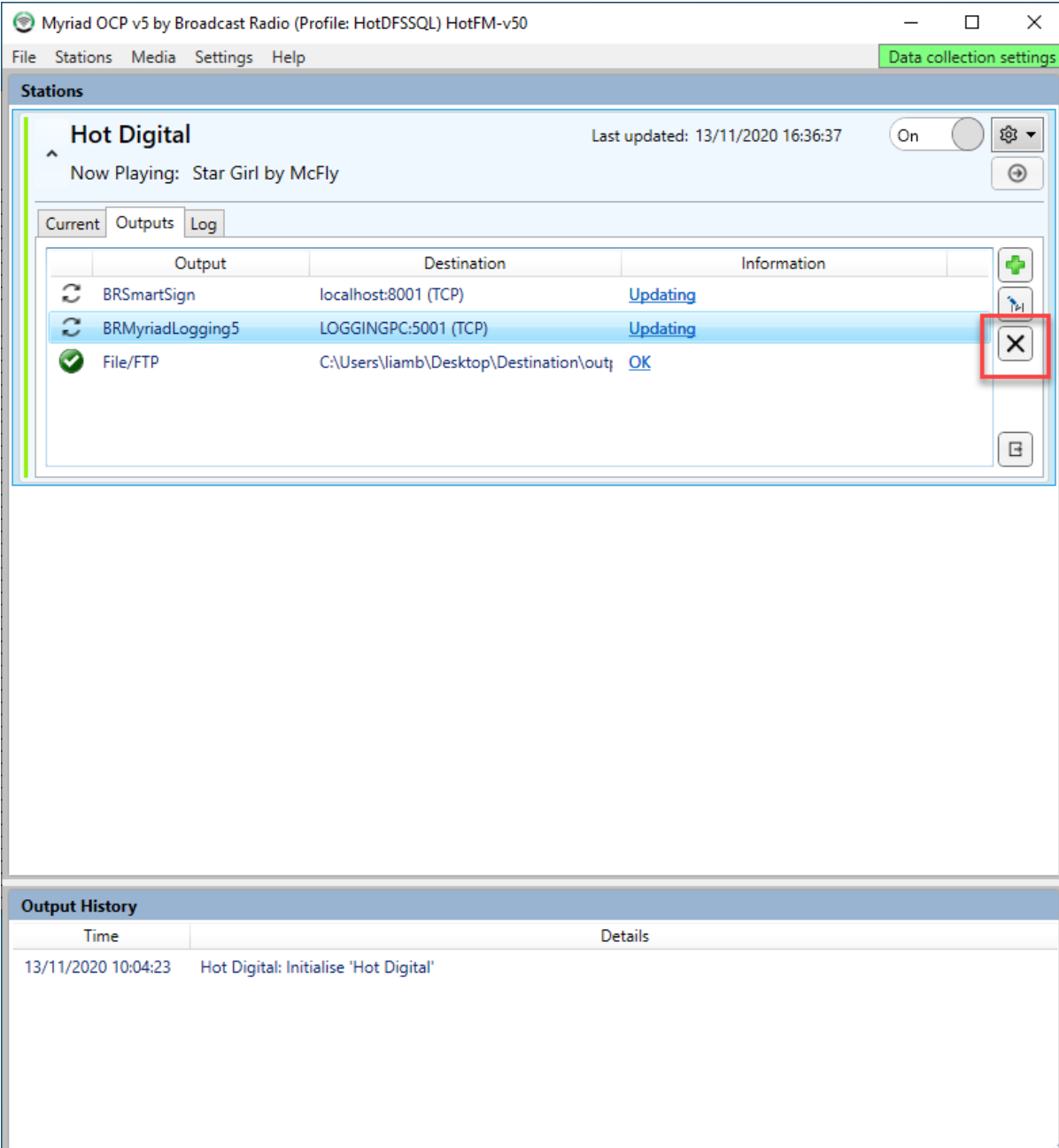
We recommend some experimentation to get what you want from the system.

Once you have your **Output String** correct, you can copy it and use it in any relevant Output String, Alternate String or Carousel File.

Removing Outputs From OCP 5

So far we have spent a lot of time looking at how to add the various Output types to OCP 5 but now we will look at how to remove an Output that has been added previously.

Thankfully, removing Outputs from OCP 5 is a lot simpler than adding them in. To remove an Output, select the Output you want to remove and click on the **Remote Output button**.



The screenshot shows the Myriad OCP v5 software interface. The window title is "Myriad OCP v5 by Broadcast Radio (Profile: HotDFSSQL) HotFM-v50". The menu bar includes "File", "Stations", "Media", "Settings", and "Help". A green button labeled "Data collection settings" is in the top right corner. The main area is titled "Stations" and shows the "Hot Digital" station. It is currently playing "Star Girl by McFly". The "Outputs" tab is selected, showing a table of outputs:

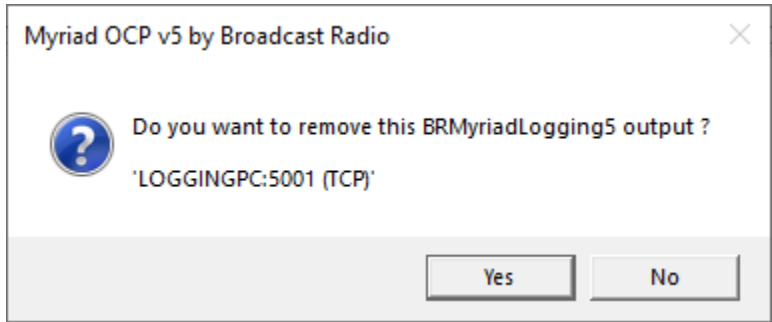
Output	Destination	Information
BRSmartSign	localhost:8001 (TCP)	Updating
BRMyriadLogging5	LOGGINGPC:5001 (TCP)	Updating
File/FTP	C:\Users\liamb\Desktop\Destination\out	OK

A red box highlights the "X" button in the right-hand column of the table, which is used to remove the selected output.

Below the table is an "Output History" section with a table:

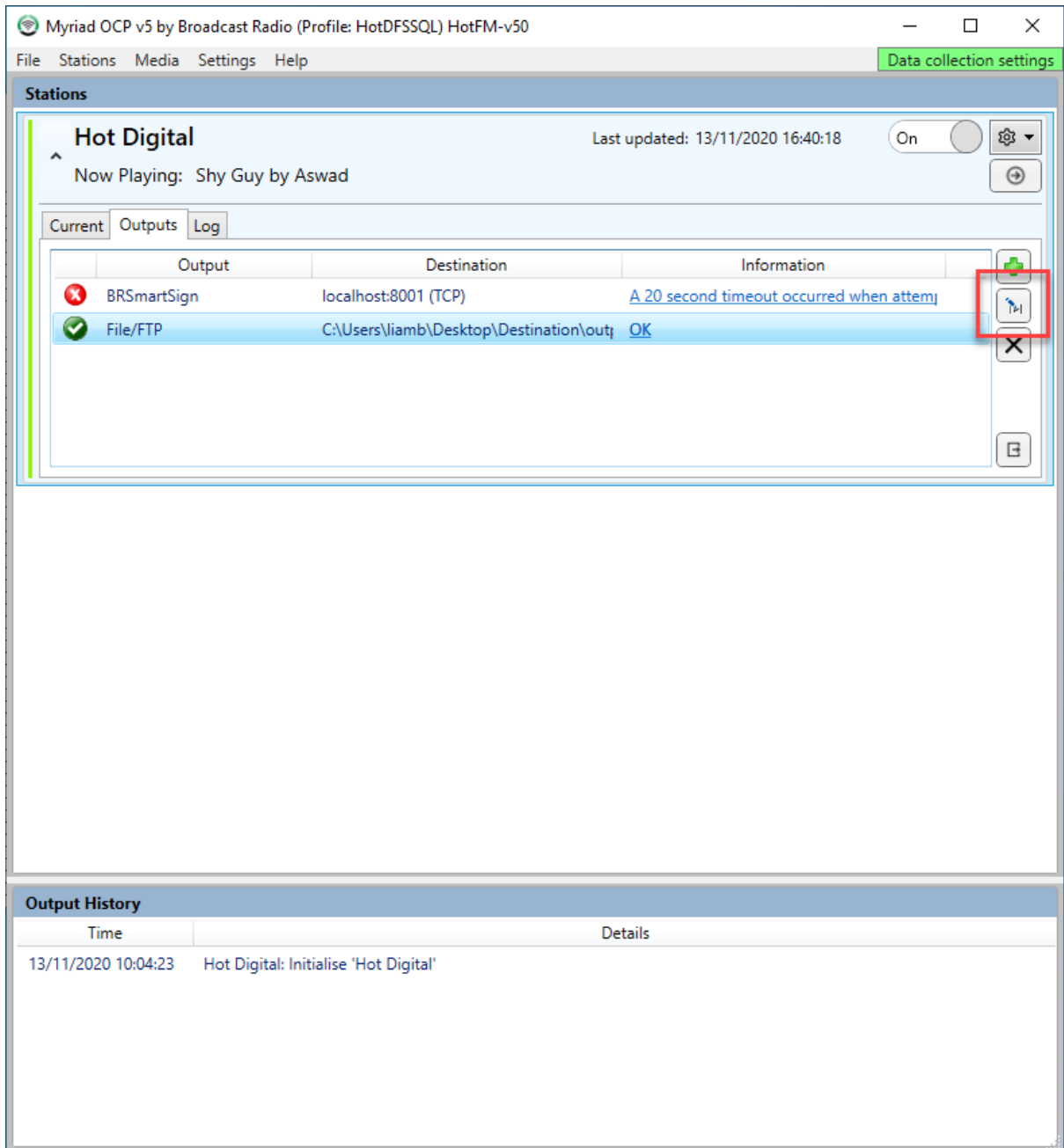
Time	Details
13/11/2020 10:04:23	Hot Digital: Initialise 'Hot Digital'

You will be asked to confirm before the Output is deleted.



Editing A Previously Configured Output

To edit the settings for an existing Output, select the Output and click on the **Edit Output** button.

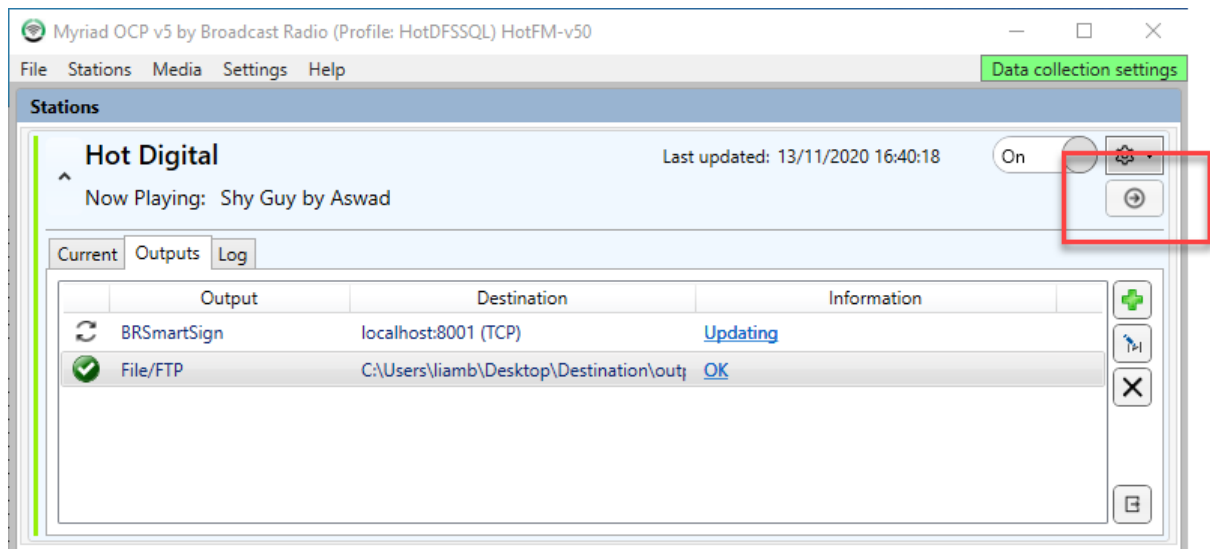


Or just double click on it to open its properties window.

Forcing A Manual Update

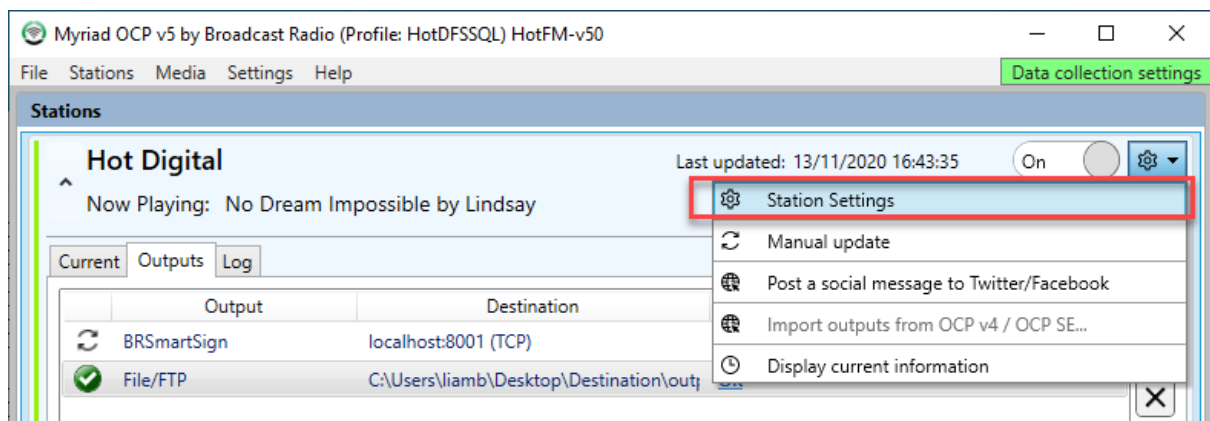
In general, OCP 5 will only send new updates to the configured Outputs when it receives confirmation from Myriad that the information has changed (usually after a segue between two items in Myriad).

You can however, force OCP 5 to update all of the Outputs by clicking on the **Force An Information Update** button located on the Station window.



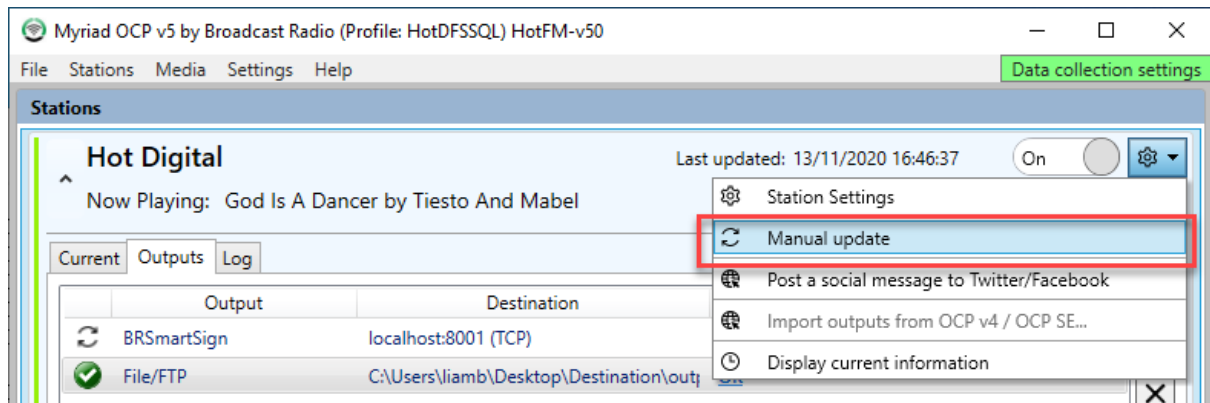
Edit Station Settings

You can change the settings for the OCP 5 Settings by clicking on the **Station Settings Cog** and selecting **Station Settings**.

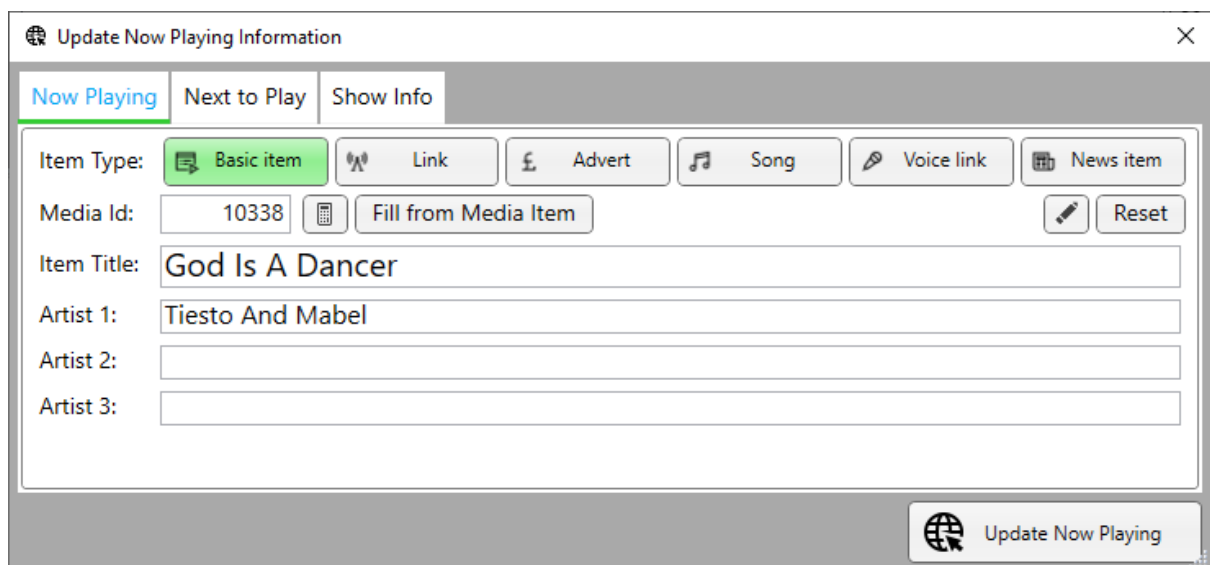


Manually Updating Information

You can manually enter information and force an update using the **Manual Update** option on the **Station Settings Cog** drop down.



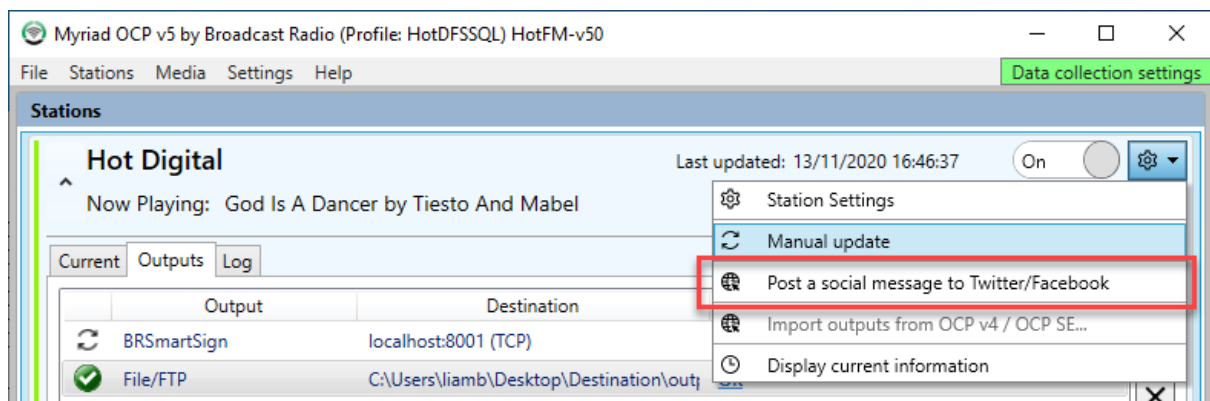
This will open the **Manual Update** window which allows you to manually override the data to be sent to Outputs. This is especially useful when testing OCP Outputs.



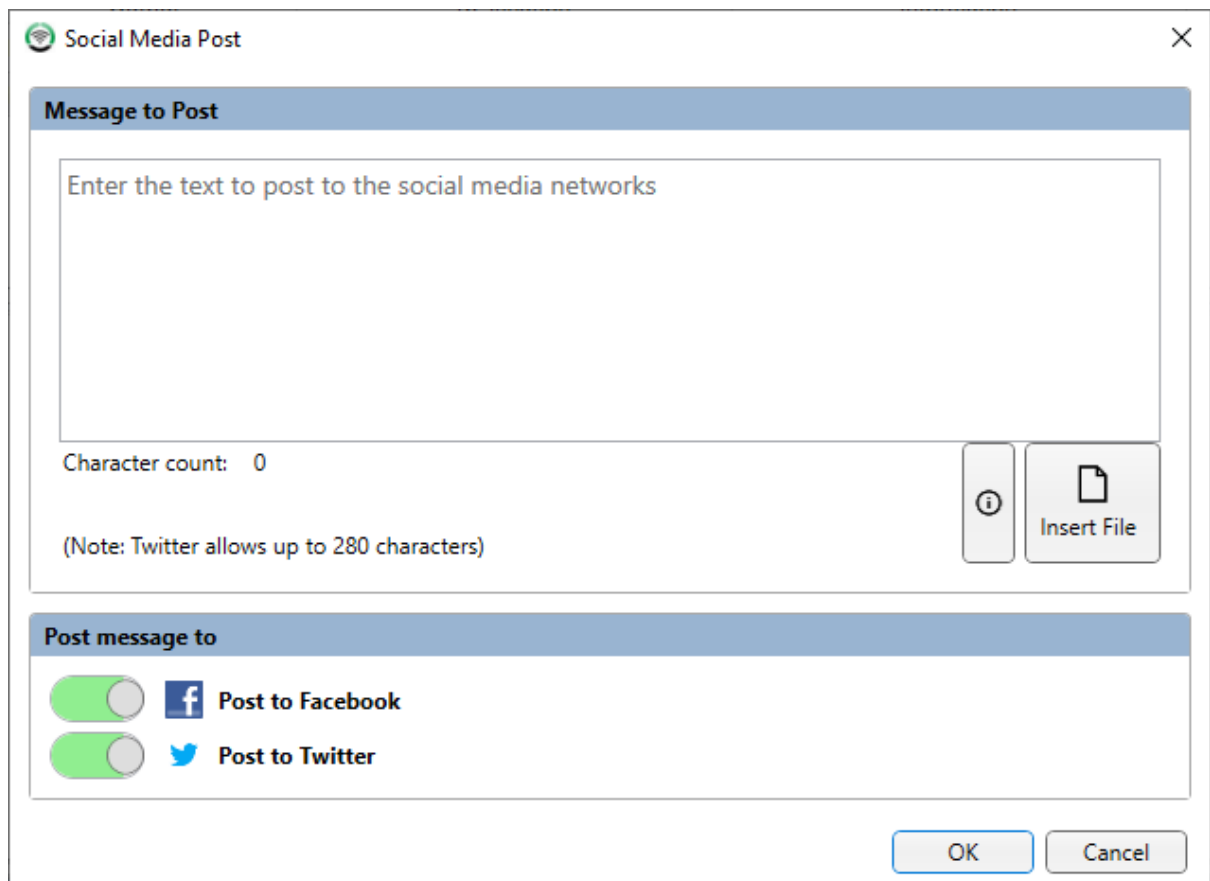
You can manually edit the information for **Preview / Current / Next** and then click on the **Update Now Playing** button.

Manually Post To Social Media Outputs

You can manually send an Output to the configured Social Media platforms using the **Post a Social Message** option on the **Station Settings Cog** drop down.



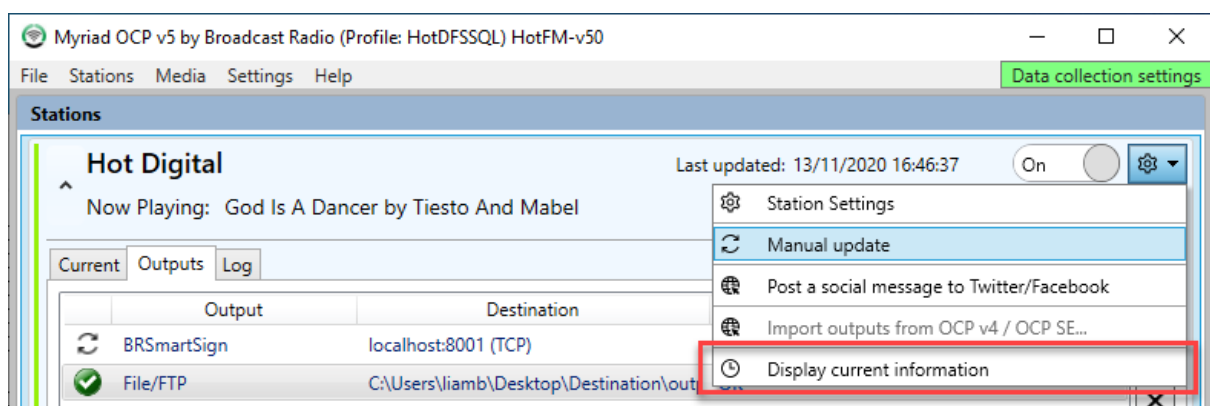
This will open the **Social Media Post** window.



You can type and message and then send it to Twitter, Facebook or both. This is useful for testing OCP Social Outputs.

Display Current Information

You can see a display of the most recent information received from Myriad Payout using the **Display Current Information** option on the **Station Settings Cog**.

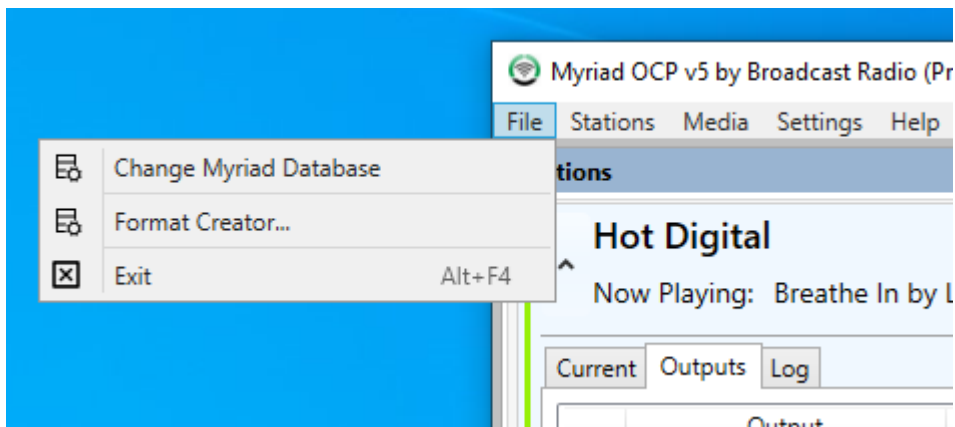


This will show the previous 50 updates received from Myriad Payout along with the next 50 items scheduled to play.



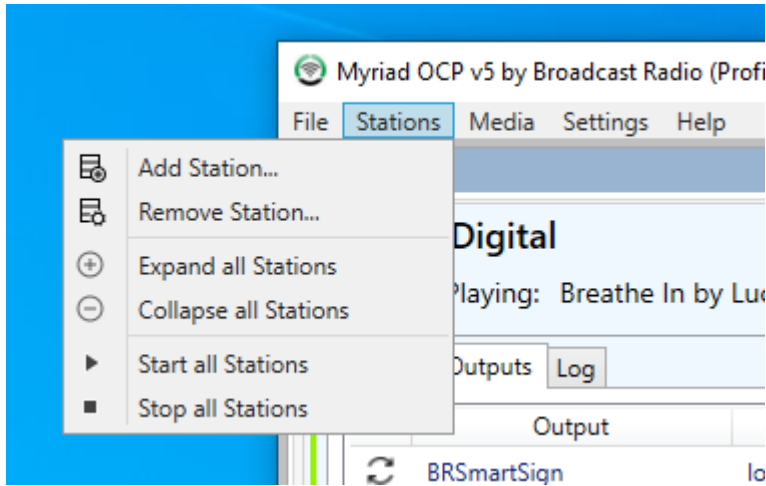
The File Menu

The File menu gives access to a range of File, Service and Outputs related options in OCP 5



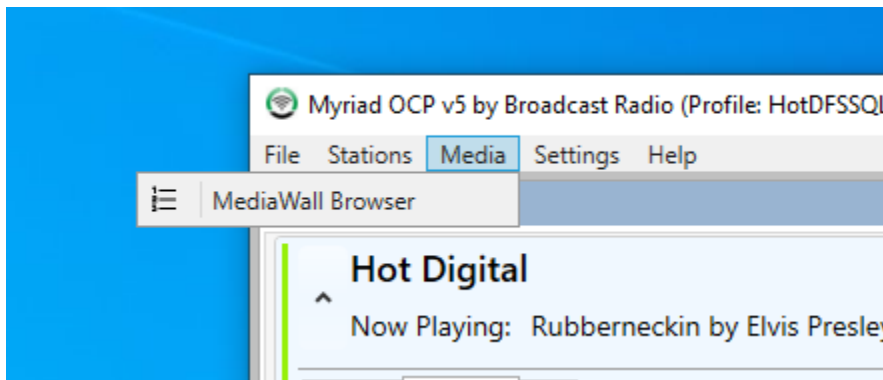
- Change Myriad Database – This allows you to select a different Myriad Database (not Station).
- Format Creator – Provides access to the Format Creator Tool.
- Exit – Closes OCP 5.

The Stations Menu



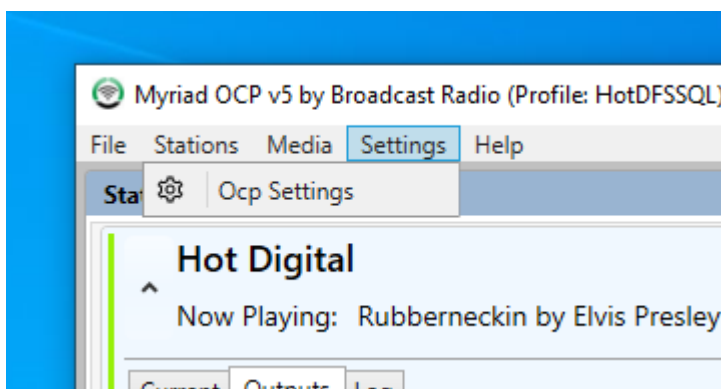
- Add Station – Allows you to add another Station up to the maximum allowed in your Myriad Station Enabler code.
- Remove Station – Allows you to remove a configured Station.
- Expand All Stations – Expands all listed Stations to allow you to see the details.
- Collapse All Stations – Collapses all Stations so you only see a summary line for each in the main view.
- Start All Stations – Starts all Stations Outputs.
- Stop All Stations – Stops all the Stations from generating Outputs.

The Media Menu

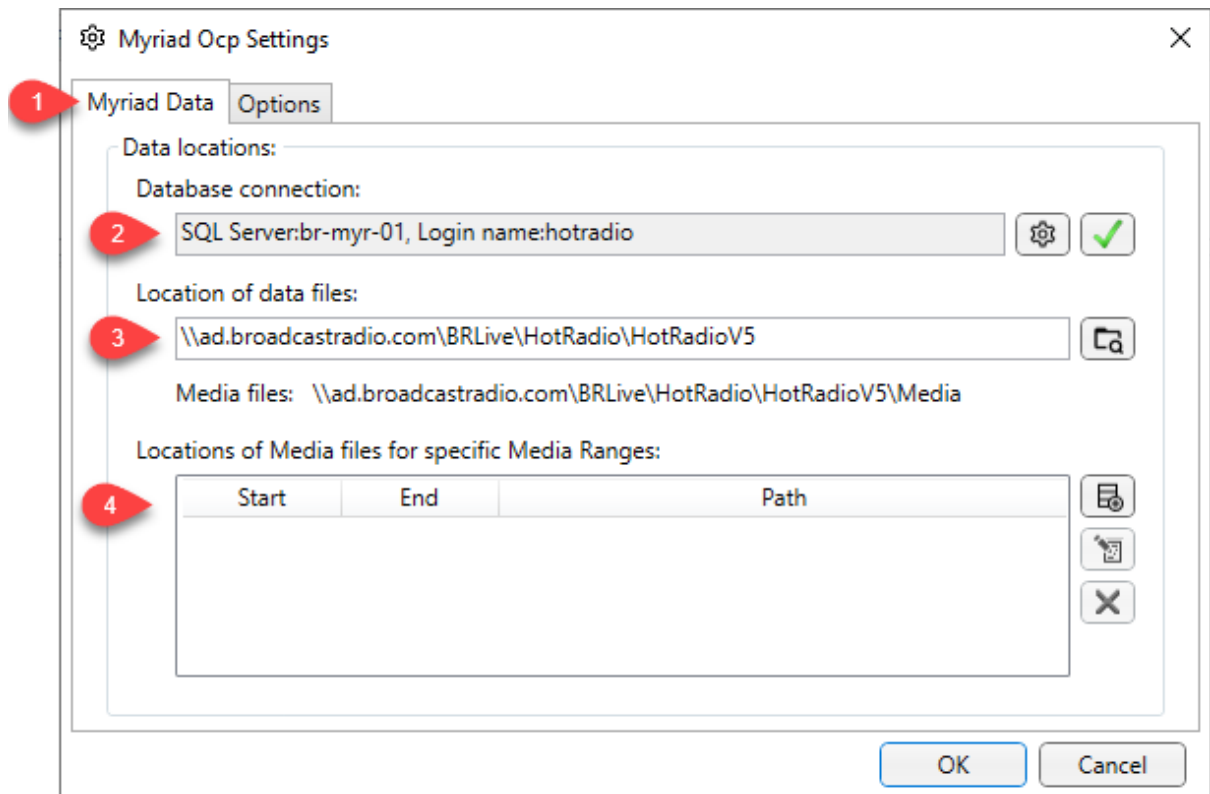


- Media Browser – Opens the Myriad 5 Playout Media Browser to allow you browse the content on your Media Wall.

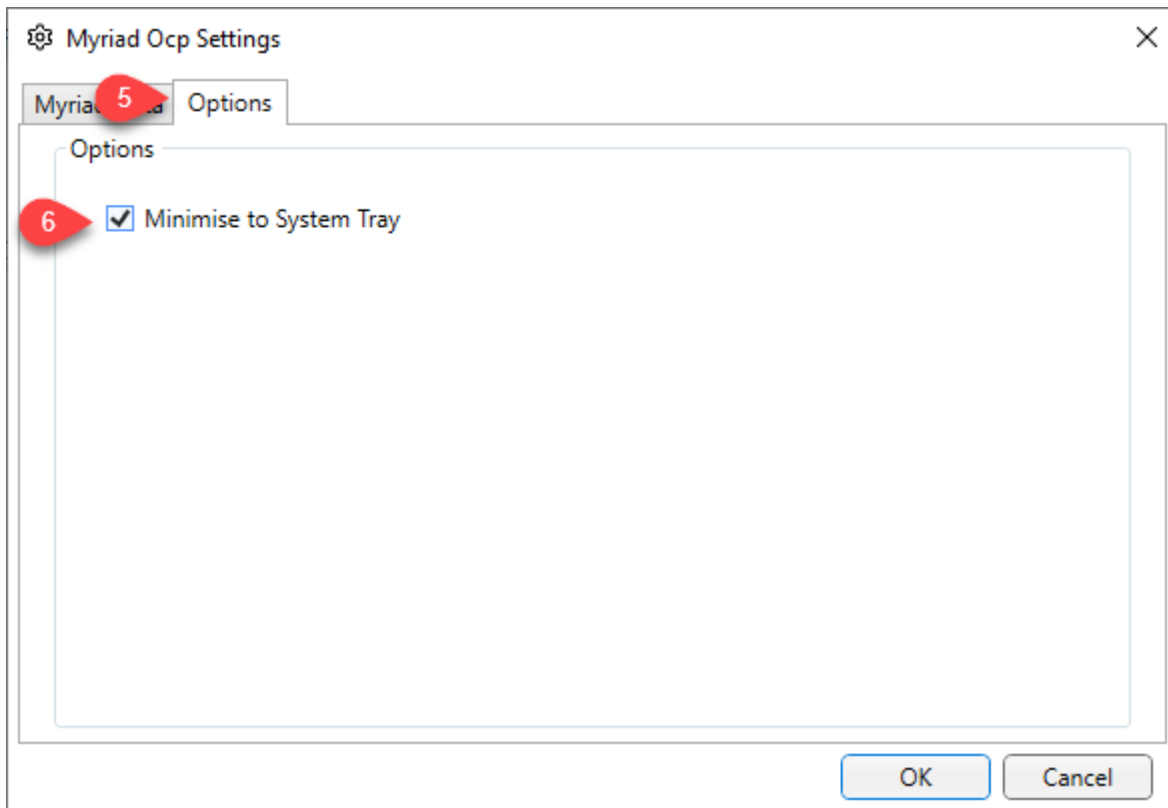
The Settings Menu



- Provides access to the OCP Settings window.



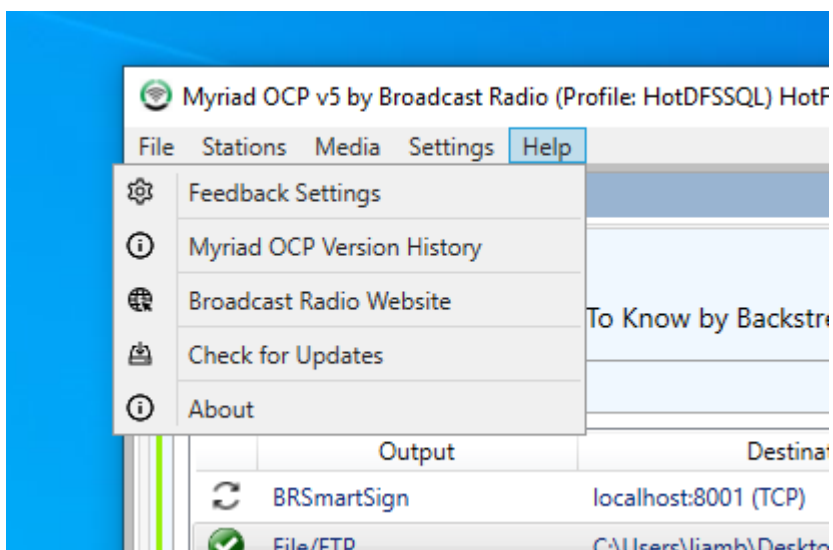
1. Myriad Data Tab – Allows you to set the specific file and data locations for your Myriad Playback system.
2. SQL Connection Details – Set the location of the SQL database Myriad Playback uses. Click on the cog to edit the settings. Check your Myriad Playback settings to get the correct connection details.
3. Location Of Data Files – This is the location of the datafiles Myriad uses (in addition to the database). Check that this is set the same as your Myriad Playback system.
4. Media File Locations – If you have set specific locations for media files in Myriad Playback, ensure they are set the same here!



5. The Options Tab – Takes you to some additional OCP options.
6. Minimise To System Tray – When this option is ticked, if you minimise OCP it will minimise to a small icon in your PC system tray.



The Help Menu



- Feedback Settings – Allows you to toggle whether to send anonymous usage data to Broadcast Radio.
- Version History – View a text record of changes and updates to the application.
- Broadcast Radio Website – Opens the Broadcast Radio website.
- Check For Updates – Check for an updated version of the software.
- About – View the version number for your software.

Additional OCP 5 PRO Features

OCP 5 PRO offers a number of advantages over the standard OCP 5 that is often provided free of charge to Myriad users. The key advantages are outlined below.

- **Multiple Services** – OCP 5 PRO allows you to configure a number of Services meaning you can use a single copy of OCP 5 PRO to provide additional information for several radio stations. Services in OCP 5 PRO are licensed on a per service basis so you only pay for what you need.
- **Multiple Outputs Of The Same Type** – In OCP 5, you can only have one of each type of Output configured at any one time. This means that while you can update several pages on a web site at the same time. You cannot update pages on completely different web servers. OCP 5 PRO removes this restriction.
- **More Items** – OCP 5 PRO allows you to display information about the previous and next 50 Items in your station's "Log" allowing you a far greater flexibility in the information you pass on to the listener.
- **Compatibility With 3rd Party Playout Systems** – OCP 5 only works with Myriad but OCP 5 PRO can get the Item information from a file outputted by a 3rd party playout system giving the advantages of OCP 5 to all stations regardless of what playout system they use.