MOSAIC *1.0.2*

RELEASE NOTES

dCS

ONLY THE MUSIC

1. ABOUT *dCS* MOSAIC

1.1 PRODUCT DESCRIPTION

dCS Mosaic is a carefully assembled collection of hardware and software modules which, when combined, provide a listener easy and intuitive access to a vast catalogue of digital music. Whether it's high resolution files on the listener's own server or an internet radio station broadcast from a distant land, *dCS* Mosaic removes all of the associated technical complexity and ensures that the music one loves is only a few convenient taps away.

1.2 COMPONENTS

To familiarise you with the naming convention of the Mosaic components a brief description of each is included below:

Component	Description
dCS Mosaic	*dCS Mosaic is the product name for the audio streaming and networked control functionality of dCS products.*
dCS Mosaic Control	*dCS Mosaic Control is the name of the new dCS unified music management and control app. It supports both iOS and Android devices.*
dCS Mosaic Processor	The dCS Mosaic Processor is the physical hardware component and associated software that is installed in the dCS product to provide streaming functionality.

1.3 VERSIONS

When installed, *dCS* Mosaic will reflect the following software versions in *dCS* Mosaic Control on the about page (*Settings > Support > About dCS Mosaic*):

dCS **Mosaic Processor Version:**	1.0.2 (502)
dCS **Mosaic Control Version:**	1.0.2 (62)

The *dCS* Product's front panel will show the following under VERSIONS:

Network:	502

1.4 AVAILABILITY AND DISTRIBUTION

Version 1.0.2 of *dCS* Mosaic is available as a no-cost update for existing *dCS* customers as follows:

- Mosaic 1.0.2 will be available to all customers on 30th October 2019 at 2:00pm GMT

- Mosaic 1.0.2 will be delivered as an update to *dCS* Mosaic Control and *dCS* Mosaic Processor

- Customers will need to download an update to *dCS* Mosaic Control from either the App Store or Google Play

- Customers will need to perform a network update of their *dCS* product.

2. CHANGES

2.1 NEW FEATURES

Mosaic 1.0.2 contains the following new features.

- **Media Browsing**: The browsing interface for Deezer, Qobuz, and TIDAL has been enhanced with linking between artists, albums, and tracks.

- **Media Browsing**: Where applicable, format information is shown on a per-track basis for items in the Play Queue as well as streaming service curated playlists.

- **Enhanced Metadata**: The enhanced metadata functions for Qobuz and (some) TIDAL content have been improved to allow for association of artist, album, and track information.

- **Play Queue**: Added 3-dot context menu to all list items to provide enhanced functionality for queued content.

- **Updates**: New update mechanism implemented for device firmware update distribution that improves reliability and facilitates updates in regions where internet access is unreliable.

2.2 FIXES AND IMPROVEMENTS

The following changes reflect improvements to existing functionality or fixes to identified bugs.

- **Interface:** New header layout for narrow-screen devices to improve screen space usage.

- **Interface:** Updated Play Queue graphical elements to improve look and feel.

- **Interface:** Improved layout of list items on narrow-screen devices. On small screens some icons will be shown in the 3-dot context menu.

- **Interface:** Modified album artwork handling to improve performance of scrolling lists which include albums or tracks containing large artwork files.

- **Interface:** Corrected an issue which would cause a crash when scrolling long lists.

- **Interface:** Corrected an issue in which the on-screen keyboard could not be dismissed.

- **Enhanced Metadata:** Enhanced metadata is now shown for Deezer and TIDAL if the service provides us with the information. At this time a limited amount of content in TIDAL has enhanced metadata information available, but availability is improving with time.

- **UPnP**: Fixed an issue where incorrect artist information was shown for certain MinimServer configurations.

- **UPnP:** Track duration is now shown for UPnP tracks.

- **UPnP:** When browsing a UPnP server a long-press of the back button now takes the user to the root level of the current server rather than the list of available servers.

- **UPnP:** Track count in the header is no longer shown inappropriately.

- **Updates:** Corrected an issue in which content in the Versions screen would not refresh after a software update.

- **General:** Several minor bug fixes and code improvements.

3. USAGE NOTES

All Mosaic 1.0.0 documentation is still applicable to Mosaic 1.0.2 with the exception of the new features which are documented below. The Mosaic User Guide on the *dCS* Community site will be updated to reflect new feature content in this release.

3.1 CONTENT LINKING

When interacting with content from Deezer, Qobuz, and TIDAL it is now possible to explore additional items without having to jump back in the browse interface or perform a search. These functions are labelled GO TO and are available from the 3-dot context menu shown for list items. The functions are as follows:

GO TO ARTIST

This function will jump to the artist listing in the current service and is displayed for albums and tracks.

GO TO ALBUM

This function will jump to the album listing in the current service and is displayed for tracks. This is useful for jumping from a Play Queue track or from a playlist track to the originating album.

Additionally, when viewing enhanced metadata, tapping album or artist names highlighted in blue will execute a jump to the album or artist page.

3.2 ENHANCED METADATA

In prior releases enhanced metadata could only be called up for the specific item being viewed. Selecting TRACK INFORMATION would show metadata related to the current track, but would not allow for viewing of information on the artist or album. With the release of Mosaic 1.0.2 the enhanced metadata functionality has been improved as follows:

- Additional menu options are shown when a link can be established between track, album, and artist. For instance if you are viewing the track list in the Play Queue the 3-dot context menu will show functions for track, album, and artist information.

- When viewing enhanced metadata it is possible to jump to the metadata page for the album or artist by tapping the (i) button next to the album or artist name.

3.3 UPDATE MECHANISM

Mosaic 1.0.2 includes a complete re-design of the device firmware update mechanism. With the exception of an improved update user interface in Mosaic Control, customers should not note any differences in update process. The new mechanism provides the following features:

- Improved update distribution file format which enables enhanced error detection as well as reduction in the size of the update file.

- Updates to Mosaic Processor as well as the device's FPGA firmware can now be loaded via a USB stick inserted into the device's rear fascia or via a direct upload to the device's embedded web UI.

Please note that offline updates (USB stick or direct file upload) will only be provided to customers who require this update mechanism due to limitations with their internet service. If you are not able to update your *dCS* device using the online mechanism in Mosaic Control please contact your *dCS* dealer or distributor to arrange an offline update. Products which do not have an embedded network interface (transports, Vivaldi DAC, and classic products) still utilize the disc / file playback update method.

4. GETTING SUPPORT

4.1 SUPPORT RESOURCES

If you're having trouble with *dCS* Mosaic or other aspects of your *dCS* product rest assured that there is a large network of people worldwide who are ready to assist you.

Your first line of support is always your dCS dealer or distributor. Our partners are rigorously trained on every aspect of our product line so they are well-equipped to deal with most problems.

You are also encouraged to visit our community site (https://dcs.community) and here you will find complete documentation for Mosaic along with other FAQ, technical and support topics. This forum is actively monitored by *dCS* personnel and you are welcome to post in the Support area with any questions you may have.

4.2 *dCS* MOSAIC DOCUMENTATION

We anticipate that Mosaic will evolve quickly and this always poses a problem as it's very easy for printed manuals to become out-of-date. To address this issue we have developed an online user guide which is constantly maintained and will be kept in sync with Mosaic as the product evolves. In addition we have developed a two-page quick reference guide which will assist new users with the basics of Mosaic Control. Links to the two guides are:

      Quick Reference Guide: https://dcs.community/mosaic-qrg

      User Guide: https://dcs.community/mosaic-user-guide

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