

dCS

ONLY THE MUSIC

Lina Network DAC

V2.0

Release Notes

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1. ABOUT

1.1 DESCRIPTION

Lina Network DAC 2.0 is a major performance upgrade for the Lina Network DAC.

The Lina Network DAC was released in 2022. In 2023, we added digital volume control and volume lock features via the Lina Network 1.1 upgrade, allowing the DAC to be used as a preamplifier in a two-channel audio system.

The 2.0 upgrade brings further improvements for both headphone and loudspeaker listening.

1.2 VERSIONS

Lina Network DAC firmware	2.0
Network firmware	511
dCS Mosaic	v1.42 (147)

1.3 AVAILABILITY AND DISTRIBUTION

Lina Network DAC v2.0 is available to all Lina Network DAC owners.

Owners can find the latest firmware and update their device via the dCS Mosaic Control app. Select Menu > Support > Versions > Check for Updates.

2. WHAT'S NEW

2.1 NEW FEATURES

New Mapper Settings

The Mapper controls the way in which data is presented to the Ring DAC™ core. Lina Network DAC 2.0 offers three Mapper settings for enhanced performance.

- MAP 1 is the new default mapper. Here we drive the Ring DAC™ core at either 5.644 or 6.14MHz.
- MAP 2 is the classic mapper design, used on version 1 dCS products, this drives the Ring DAC™ core at either 2.822 or 3.07MHz.
- MAP 3 is alternative design where we also drive the Ring DAC™ core at either 5.644 or 6.14MHz.

Mapper settings can be accessed using the dCS Mosaic Control app or via the front panel on the Lina Network DAC.

DSD128 (DSDx2) Upsampling

When set to DSD128, the Lina Network DAC inserts a DSDx2 Upsampling stage towards the end of the PCM oversampling sequence, before conversion to analogue. This setting can be accessed using the dCS Mosaic Control app or via the DAC's front panel.

DSD Filter 5

DSD Filter 5 has a relaxed roll-off with a smoother phase response which helps to remove much of the out-of-band noise. DSD Filter settings can be accessed using the dCS Mosaic Control app or via the DAC's front panel.

PCM Filters

Four new PCM filters, F2, F3, F5, F6 are now available to Lina Network DAC owners. [Note that the Lina Network DAC v1.1 F2 filter is now named as F4.] Filters 5 and 6 are only available on certain sample rates. Further information on the new filters can be found in the [Lina Network DAC user guide](#). PCM Filter settings can be accessed using either the dCS Mosaic Control app or the DAC's front panel.

Balance Control

It is now possible to control the left and right balance of the Lina Network DAC's analogue outputs. Balance Control settings can be accessed using the dCS Mosaic Control app or via the DAC's front panel.

Text Size

It is now possible to increase the text size of track titles shown on the LINA Network DAC's display. Text size settings can be accessed using the dCS Mosaic Control app or via the DAC's front panel.

Remote Control Support

It is now possible to control the Lina Network DAC using a dCS or generic remote control. IR Remote setting can be accessed using the dCS Mosaic Control app, or via the DAC's front panel.

With the generic setting, the DAC uses the NEC IR protocol. Further details can be found [here](#).

3. SUPPORT

3.1 RESOURCES AND ASSISTANCE

If you require assistance with any aspects of your dCS product, we recommend contacting your nearest dCS dealer or distributor as a first step. Our partners undergo extensive training on the entire dCS product range and are well equipped to deal with most issues or queries.

You can use our [Dealer Locator](#) tool to find a dealer or distributor in your region.

You can also find a wealth of information on the [dCS Community forum](#), including Mosaic documentation, answers to FAQs, and information regarding common technical and support topics. The forum includes a dedicated Support area, where you can post questions for the dCS support team.

Should you require further assistance, you can contact the dCS support team via email at support@dcsaudio.com. We aim to respond to all queries by the close of the next working day.

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