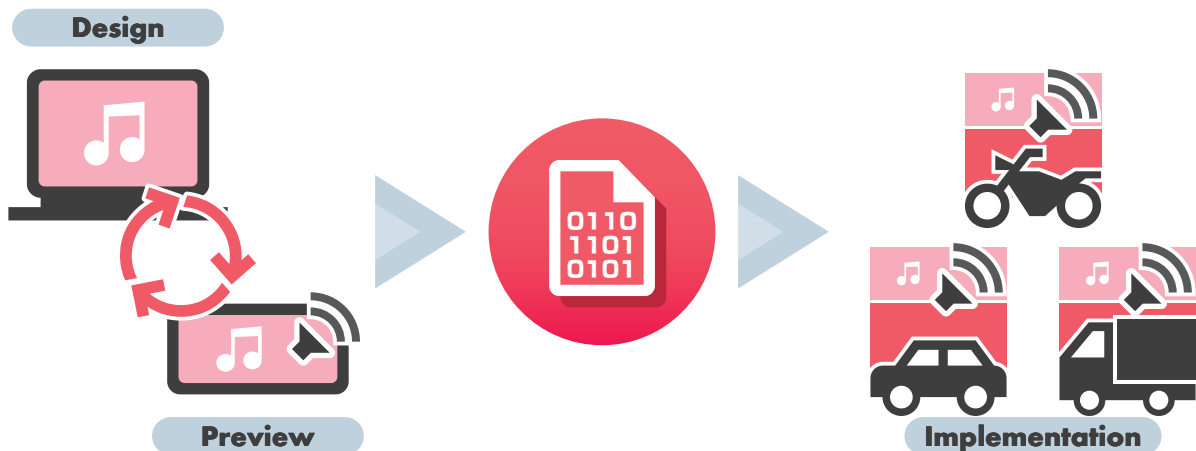




Support for all aspects of sound design and realization of a comfortable sound

Sound generation middleware that allows you to create ideal sounds by taking advantage of the performance of actual equipment.

1 Simple × Compact = High quality



Features of CRI ADX™AT

Adv. 1

Sound design on real machines

The sound quality can be reproduced in the production environment, and the sound source can be created while checking it in real time.

Volume adjustments are measured on the actual vehicle, and the set values can be determined and completed on the spot.

Adv. 2

Rapid response to small-lot car models and deliveries

It can be simply handled by replacing the sound source data, and can also be applied via OTA (Over-the-Air). On the other hand, the same sound source data can be used without modification, even if the hardware is different.

Adv. 3

Low power consumption and high volume

Unique full-digital amplifiers provide highly efficient output.

And it contributes to efficiency by reducing cost, mounting area, and power consumption.

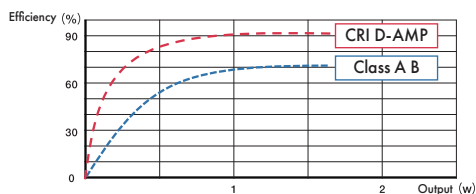
2 Support at all stages of audio production

Comprehensive support for mobility sound development — from planning to tuning — backed by deep expertise. We collaborate closely with clients to deliver optimal sound, with speed and flexibility at every stage.

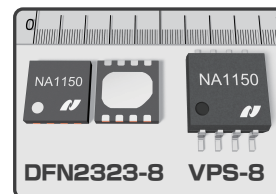
Sound Design Specification creation support	Sound Adjustment Data creation support	Integration Software development support	Output Adjustment Sound quality improvement support
Helping shape next-generation vehicle sound with a focus on safety and user experience and technical complexity.	Based on the design and specifications, the sound source is tuned and imported, the behavior is set up, and the data is created and tested.	We support customization according to each device and its requirements, and support middleware embedding.	We help create the ideal sound environment by fine-tuning volume and enhancing sound quality on real devices and vehicles.

3 Output with only a SoC & an H-bridge circuit

The patented technology "CRI D-Amp Driver™" is middleware that directly drives speakers in full digital, without the need for a DAC or amplifier, operating solely with an H-bridge circuit to enable high-volume playback.



- Enables loud playback without a DAC.
- Low cost thanks to fewer components.
- No power consumption when idle, minimal heat loss.



Nisshinbo Micro Devices Inc.

Audio Switching Driver
with Load Diagnostics (U.D.)
NA1150 Series

- Compact design with fewer external components
- Reliable and space-saving for sound and voice applications



Improved User Experience with CRI Glassco™

By creating interfaces that link video and sound with CRI Glassco, information about the vehicle can be conveyed to the user faster and more accurately.

Case studies

Meter cluster panel
Electronic toll system on-board equipment
Acoustic Vehicle Alerting System **Coming soon**

As of July 2025

Safety & Compliance

ISO26262 compliance
Automotive SPICE compliance

Further Info

