

Volume 2 Click



PID: MIKROE-4560

Volume 2 Click is a compact add-on board that provides the user with complete digital volume control. This board features the NJU72341, a 2-channel I2C configurable electronic volume IC with external mute control from NJRC. It controls two independent low distortion audio channels with a vast volume control range from 0 to 95dB with 1dB step offering zero-cross detection to protect pop noise. It operates with a simple I2C serial interface that accepts 8-bit data offering low distortion and noise. This Click board™ is suitable for stereo and multi-channel audio systems and represents a perfect solution for remote audio volume control applications.

Volume 2 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Signal Processing
Applications	Can be used for stereo and multi-channel audio systems and represents a perfect solution for remote audio volume control applications
On-board modules	NJU72341 - 2-channel I2C configurable electronic volume IC with an external mute control from NJRC
Key Features	External mute control, low noise, low distortion, I2C configurable, zero cross detection, vast volume control range, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Volume 2 click 2D and 3D files](#)

[NJU72341 datasheet](#)

[MIC5235 datasheet](#)

[MIC2606 datasheet](#)

[Volume 2 click schematic](#)

[Volume 2 click example on Libstock](#)

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