

Speaker Click



PID: MIKROE-4662

Speaker Click is a compact add-on board that contains an audio power amplifier with a high-quality audio reproduction. This board features the MAX9717, a 1.4W mono bridge-tied load (BTL) architecture audio power amplifier from Maxim Integrated. It delivers 1.4W continuous power into a 4Ω load from a single +5V supply, or 350mW continuous power into an 8Ω load while operating from a single +3.3V supply. Also, the MAX9717 has an adjustable gain amplifier and a headphone sense input that senses headphone connection to the device, muting the speaker while driving the headphone as a single-ended load. This Click board™ is suitable for portable audio applications such as PDAs and portable devices where space and cost are of great importance.

Speaker 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	Speakers
Applications	Can be used for portable audio applications such as PDAs and portable devices where space and cost are of great importance.
On-board modules	MAX9717 - 1.4W mono bridge-tied load (BTL) architecture audio power amplifier with a high-quality audio reproduction from Maxim Integrated
Key Features	1.4W mono audio amplifier, 10nA low-power Shutdown mode, no audible clicks or pops, adjustable gain option, headphone sense feature, and more.
Interface	GPIO
ClickID	No
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

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

[MAX9717 datasheet](#)

[Speaker click schematic](#)

[Speaker click example on Libstock](#)

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