AM/FM 2 Click

PID: MIKROE-5793

AM/FM 2 Click is a compact add-on board that can be used to listen to music from the AM and FM radio bands. This board features the Si4732, a broadcast AM/FM/SE/LW/RDS radio receiver from Skyworks. This radio receiver integrates the complete broadcast tuner and receiver function from antenna input to digital audio output. In addition to the radio receiver, this Click board™ is equipped with the LM4910, a Boomer output capacitor-less stereo 35mW headphone amplifier from Texas Instruments. This amplifier can deliver 35mW of continuous average power to a 32Ω load with less than 1% distortion. This Click board™ makes the perfect solution for the development of table and portable radios, mini/micro systems, stereo boom boxes, and more.

AM/FM 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.

Specifications

Type	FM
Applications	Can be used for the development of table and portable radios, mini/micro systems, stereo boom boxes, and more
On-board modules	SI4732 - broadcast AM/FM/SE/LW/RDS radio receiver from Skyworks LM4910 - Boomer output capacitor-less stereo 35mW headphone amplifier from Texas Instruments
Key Features	Easy to set, high-quality integrated AM/FM/SW/LW radio receiver, RDS/RBDS processor, automatic gain control, automatic frequency control, advanced audio processing, adjustable soft mute control, digital tunning for all bands, digital audio out, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[AM/FM 2 click example on Libstock](#)

[AM/FM 2 click 2D and 3D files](#)

[LM4910 datasheet](#)

[AM/FM 2 click schematic](#)

[Si4732 A10 datasheet](#)

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).