

Time-saving embedded tools

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com

# **RadioStation Click**



#### PID: MIKROE-2822

**RadioStation click** is a unique click board<sup>TM</sup> that can be used to broadcast the music via the FM radio band. It features the <u>Si4713-B30</u> from <u>Silicon Labs</u>, the best in class integrated FM broadcast stereo transmitter, which operates in the frequency range of 76MHz to 108MHz. It can also broadcast RDS/RDBS data. The click board<sup>TM</sup> can be equipped with a small FM antenna, which is used to extend the broadcasting range.

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).



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## Specifications

Туре	FM
Applications	Cellular phones, MP3 players, portable media players, wireless speakers, personal computers and any other applications, where audio broadcasting on the small distance is required.
On-board modules	Si4713-B30 from Silicon Labs, the best in class integrated FM broadcast stereo transmitter
Key Features	Easy to set, high quality integrated FM radio transmitter. It uses advanced audio processing techniques to avoid over-modulation and to achieve perfect levels of audio for broadcasting.
Interface	12C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

### Resources

mikroBUS<sup>™</sup> standard specifications

<u>mikroSDK</u>

Click board<sup>™</sup> Catalog

Click Boards<sup>™</sup>

### **Downloads**

Si4712-13-B30 datasheet

RadioStation click schematic

RadioStation click example on Libstock

RadioStation click 2D and 3D files

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