

DATA SHEET

APRIL 2016

STEREO FM RADIO SHIELD FOR ARDUINO[®]

ORDER CODE: VMA11

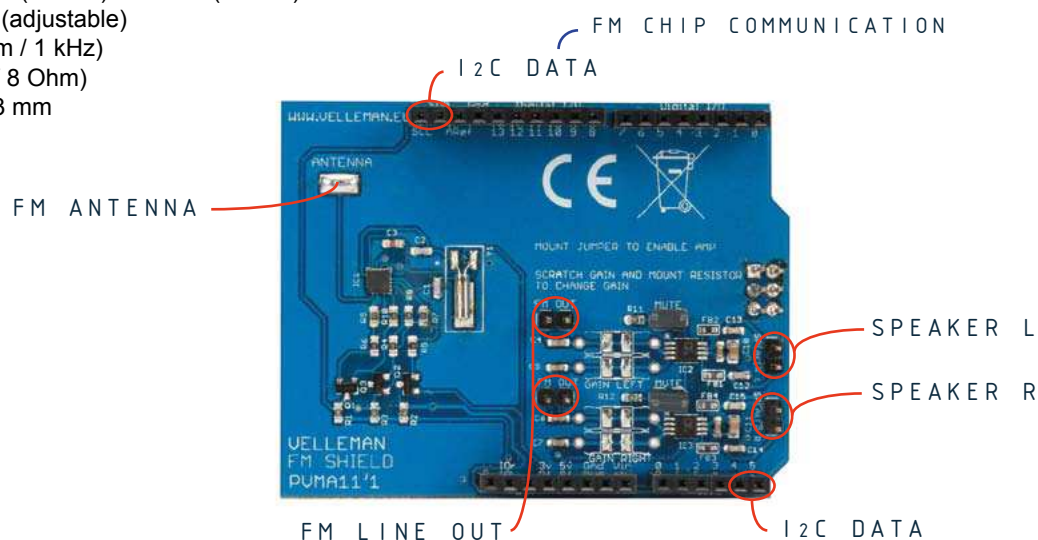
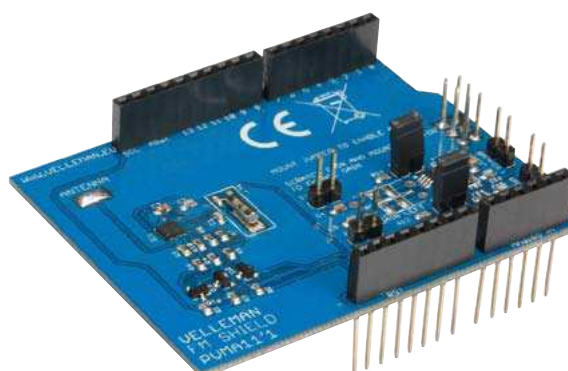
The VMA11 is a radio and RDS receiver combined with a powerful and efficient 2.8 W class D audio amplifier. All of this is designed in the familiar Arduino formfactor. In short, this module is ideal if you want to create your own clock radio or if you want to add FM functionality to your projects!

FEATURES

- worldwide FM support
- RDS/RBDS support
- volume control
- automatic frequency control
- automatic gain control
- Arduino[®] library available
- class D 2.8 W amplifier

SPECIFICATIONS

- interface: I2C
- power / logic level: 3.3 V
- sensitivity: 1.7 μ V_{emf}
- max. output power: 2.8 W (4 Ohm) or 1.6 W (8 Ohm)
- default gain: 18 dB (8 x) (adjustable)
- THD: 0.02 % (1 W 8 Ohm / 1 kHz)
- S/N ratio: 98 dB (1.4 W / 8 Ohm)
- dimensions: 68 x 54 x 23 mm



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