

# FM Transmitters

Design, Modulate, Optimize FM transmitters



## FM transmitters and RDS

Advance FM communication with best of IOT.

Are you are consumer electronics manufacturers, electronics hobbyists or entrepreneur wishing to design miniature wireless microphones for advanced security and surveillance purposes. Innovation with radio transmission over Frequency Modulation are endless. Our solution will help you generate signal in accordance with Radio Data System RDS. You will be able to simulate FM-stereo signal and use vast array of signal generation and analysis techniques to optimise modulation techniques.

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### SIMULATION

Generate FM signal at physical layer

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### MODULATION

Internal and External modulation

3

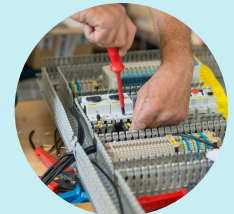
### INNOVATION

Countless communication innovation possibilities.



### Consultation

We are trusted to bring inventive solutions to complex technical challenges



### System Integration

Our solutions range from hand-held systems to full turnkey solutions.



### Support

Ioteach staff and Thames Community are available if needed. Please visit our website for more information.

# Product data sheet

Deployment as desktop, laptop or industrial control panel installation for all environmental and climatic conditions.

- Generation of standard compliant FM-Stereo signal with Stereo audio signal and RDS/RBDS signal.
- Add impairments such as quadrature skew, I/Q gain imbalance, DC offset.
- Full configuration of all group types and versions
- Internal modulation sources from LF generator and wave file for digital stereo signal.
- Perform OBW, ACP, SINAD, RDS EVM, and other measurements
- External modulation sources from digital S/P DIF interface for digital stereo signal
- In case of two path instrument, simulation of two independent FM radio transmitters
- Configuration of other networks and alternative frequency list.



## Order Procedure

You are entitled to receive full design and engineering consultation service using our Consultation Package. Proceed and click Add to Cart to make swift payment online. We would follow up with Requirement Questionnaire that we send to email address registered with us. We review your submitted response and then call you or email back with full design architecture including all components-hardware and software. We would also submit estimated quotation for FM Stereo Generator to meet your objectives. We are available via email and phone so please do not hesitate to contact us should assistance is required with your order. We look forward to working with you.

### FURTHER INFORMATION

Website: <https://www.ioteach.co.uk>

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