

Stars-AO's High Speed Transmitter of Receiver Devices

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Specification of Stars-AO's High Speed Transmitter

● Frequency

- 437.200 MHz

● Bit Rate

- 115.2kbps

● Variable Parameter

- 57.6kbps
- 28.8kbps
- 14.4kbps

● Bandwidth

- 200kHz

● Modulation

- GMSK

● FEC

- FX.25 + RS or LDPC

● Variable Parameter

- RS(255, 239)
- LDPC(2048, 1364)
- LDPC(2048, 1023)
- LDPC(2048, 682)
- LDPC(2048, 341)

● Data

- Astrophotography by Stars-AO's High-Sensitivity Camera

Recommended Receiver Devices



● SDR + GNU Radio

● GNU Radio on Windows PC

● SDR

● LimeSDR mini

- <https://www.crowdsupply.com/lime-micro/limesdr-mini>

● GNU Radio on Linux(Ubuntu) PC

● SDR

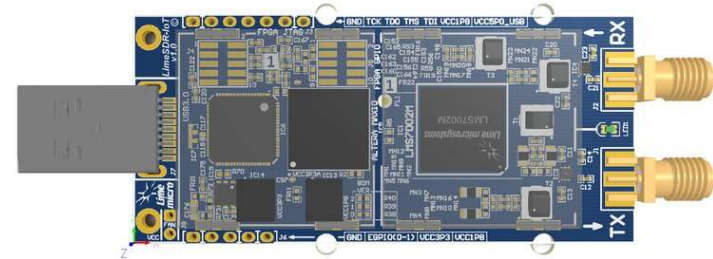
● PlutoSDR

- <https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/adalm-pluto.html>

● GRC(GNU Radio Recipe)

● Coming Soon as OSS

- <http://stars-ao.info/>



Operation Information

- Coming Soon

- <http://stars-ao.info/>