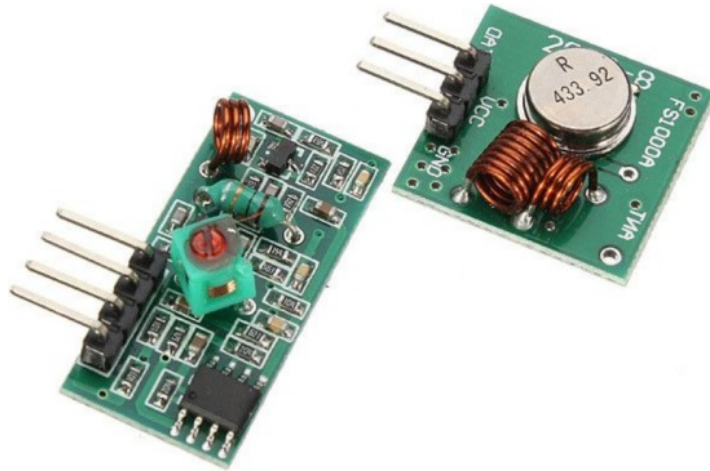


UNIPULSE 127E4100 RF Wireless Transceiver Transmitter Instructions



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Specifications

Reference:

1. **Product name:** RF Module
2. **Model name:** 127E4100
3. **Frequency range:** 920.7MHz 924.5MHz

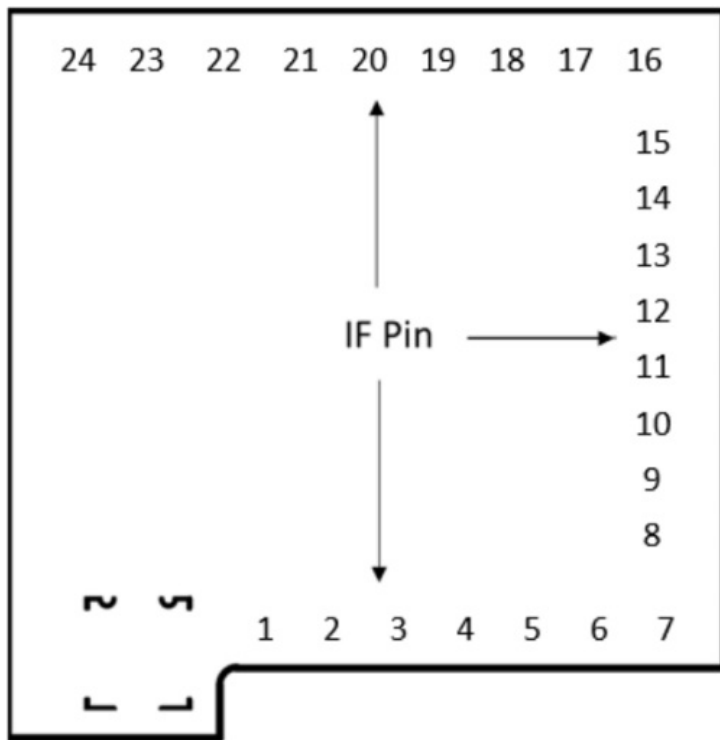
- 4. **RF Maximum output power:** below 20mW
- 5. **Antenna impedance:** 50Ω
- 6. **Modulation method:** FSK
- 7. **Rated power supply:** DC3V±10%
- 8. **Module size:** 20.5x 21 mm
- 9. **Operating temperature range:** -10℃ 50℃

Trade Mark: **UNIPULSE**

Description of Pin

Pin	Signal	Pin	Signal
1	D_GND	13	IO10
2	IO1	14	IO11
3	IO2	15	VCC
4	IO3	16	IO12
5	IO4	17	IO13
6	IO5	18	IO14
7	VCC	19	IO15
8	D_GND	20	IO16
9	IO6	21	IO17
10	IO7	22	IO18
11	IO8	23	IO19
12	IO9	24	IO20

Location of Pin



TOP View

The 127E4100 module is designed to comply with the FCC statement. FCC ID is F3O127E4100. The host system using 127E4100 should have label indicating it contains modular's.

FCC ID : F3O-127E4100.

This radio module must not be installed to co-locate and operate simultaneously with other radios in the host system; additional testing and equipment authorization should be required to operate simultaneously with other radio.

List of applicable FCC rules:

The module complies with FCC Part 15.247.

Summarise the specific operational use conditions:

The module has been certified for Fixed, Mobile applications.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Module procedures:

The module has RF shielding, which belongs to signal module Standard requires:

Clear and specific instructions describing the conditions, limitations and procedures for third parties to use and/or integrate the module into a host device (see Comprehensive

integration instructions below).

Installation Notes:

1. 127E4100 Module Power supply range is DC 2.7V~3.3V, when you use 127E4100 Module design product, the power supply cannot exceed this range.
2. Make sure the module pins correctly installed.
3. Make sure that the module does not allow users to replace or demolition
4. Any modifications to the module model 127E4100 may invalidate regulatory approvals or may necessitate notifications to the relevant regulatory authorities.
5. OEM must inform UNIPULSE Corporation Compliance of any changes which may require the Class I or Class II permissive changes for the FCC.

Antennas

The module has an PCB antenna

Information on test modes and additional testing requirements:

When testing host product, the host manufacture should follow FCC KDB Publication 996369 D04 Module Integration Guide for testing the host products. The host manufacturer may operate their product during the measurements. In setting up the configurations, if the pairing and call box options for testing does not work, then the host product manufacturer should coordinate with the module manufacturer for access to test mode software.

Additional testing, Part 15 Subpart B disclaimer:

The modular transmitter is only FCC authorized for the specific rule parts (FCC Part 15.247) list on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed when contains digital circuitry.

Information on test modes and additional testing requirements:

When testing host product, the host manufacture should follow FCC KDB Publication 996369 D04 Module Integration Guide for testing the host products. The host manufacturer may operate their product during the measurements.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

RF exposure statements

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimetres between the radiator and your body or nearby persons.



Documents / Resources

	<p>UNIPULSE 127E4100 RF Wireless Transceiver Transmitter [pdf] Instructions</p> <p>127E4100 RF Wireless Transceiver Transmitter, 127E4100, RF Wireless Transceiver Transmitter, Wireless Transceiver Transmitter, Transceiver Transmitter, Transmitter</p>
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References

- [User Manual](#)

Unipulse

127E4100, 127E4100 RF Wireless Transceiver Transmitter, RF Wireless Transceiver Transmitter, Transceiver Transmitter, Transmitter, Unipulse, Wireless Transceiver Transmitter

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[UNIPULSE 127E02A0 RF Module User Manual](#)

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