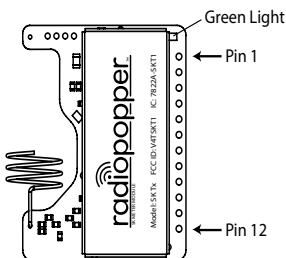




## SK Tx Module Technical Guide

This guide includes technical specification of the SK Tx Module, as well as guidelines for installation of the module into a host device.

### Module Connections



Connection between the SK Tx module and a host device is provided by a single 12 pin header. The pin out and operation of pins is described below.

Pin 1 - DC Power Supply 3.3v to 6.0v

Pin 2 - Ground

Pin 3 - General Input

Pin 4 - General Output

Pin 5 - Not Used

Pin 6 - Not Used

Pin 7 - Serial Data Output (9600 bps, N81)

Pin 8 - Serial Data Input (9600 bps, N81)

Pin 9 - Reset (Enable High, Disable/Powerdown Low)

Pin 10, Pin 11, Pin 12 - Not Connected, Not Used

### Module Installation

The SK Tx module may be installed in a battery powered host device. The SK Tx module is not permitted to be installed in any host device that connects to mains power (for example to a wall outlet).

To maintain regulatory authorization to use the SK Tx module in a host device, following the installation of the SK Tx module into a host device, it is required that the included label stating "This device includes FCC ID: V4T5KT1" be applied to an exterior non-removable surface of the host device. Do not apply to a battery door of the host device. An example of this label is provided on the next page of this guide.

This device contains  
FCC ID: V4TSKT1  
Model: SK Tx IC: 7822A-SKT1

Example of label. This label was shipped in the packaging with the SK Tx module. Place this label on a non-removable surface on the exterior of the host device.

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## Specifications

### Supply Voltage:

Typical 3.3 Volts DC

May be supplied with 3.3v to 6.0v DC

### Maximum Voltage Supplied to Pins:

No more than 0.3 volts above supply voltage.

### Radio Frequency:

902-928 MHz, ISM Band

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## Support

Need help? We're happy to offer support.

Online Support: [radiopopper.com/support](http://radiopopper.com/support)

Email: [support@radiopopper.com](mailto:support@radiopopper.com)

Phone: 360.713.0776

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### FCC STATEMENT

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

### FCC ID: V4TSKT1

This device complies with Part 15 of the FCC Rules.  
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.

Important Note: To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied - This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.