



# RX-2 CH RF System

#### Receiver Board

#### Overview

2-CH Receiver Boards, Terminal Block and Ribbon Cable

Type: RF Radio (315 MHz) 1-2 Channels (FCC Part 15 Compliant Components).

Operating Voltage: 6-15 VDC @ 1 Amp (Wall Power Supply Adapter, 1Amp Battery Supply).

Antenna: Built On Board.

**Control Output Mode**: Momentary-2CH / Toggle-2CH, on-board Jumper Switch user selection set. **LED Channel Status**: Ch1-2 LED's On/Off, MODE Indicator- Receiver Activity, Learn mode, Power ON.

**Switched Output Application**: +VDC switched output voltage at 2 Amp per channel.

Channels 1-2 at V Output equal to V Board Input, -VDC and Com Ground

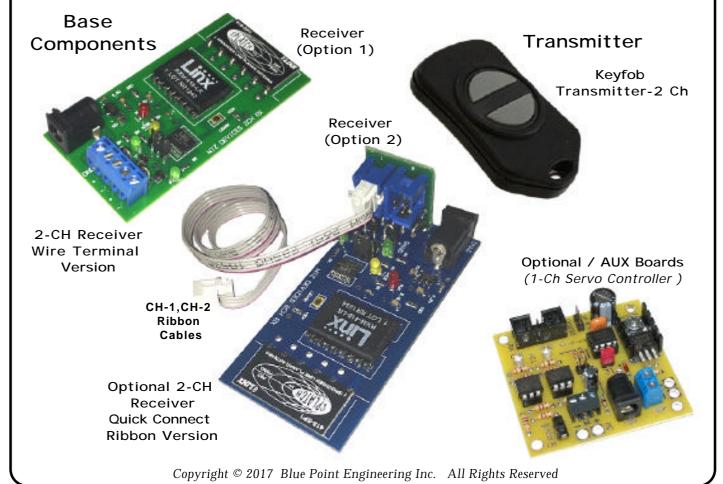
BOARD: 2 Versions (1) wire terminal connection Outputs, (2) Ribbon connector for Ch 1-2 Outputs 2.5 x 5mm Power jack for power connection, LED Status Lights. 5VDC Regulator for CPU stable operation and various board power supply options. Commercial Grade 3 Layer PCB, with small board footprint size. (3" L x 1-1/2" W x 1/2" or 1" H with optional Ribbon Connectors, built in antenna, power jack)
Optional Add-On / AUX Support Boards: Quick connection to optional add-on application boards
Board Outputs: On-board wire terminal block or optional Ribbon Cable connection for direct application connection to board channels 1-2 outputs. (no optional add-on board required)

LEARN Mode: On-Board button switch, auto code-binding to Transmitter, Status LED.

System Requirements: Power Supply, RF Transmitter, Application Device / Load

Optional AUX Boards: Relays, Audio Playback, DC Motor Control, Servo Control, Lighting FX, more.

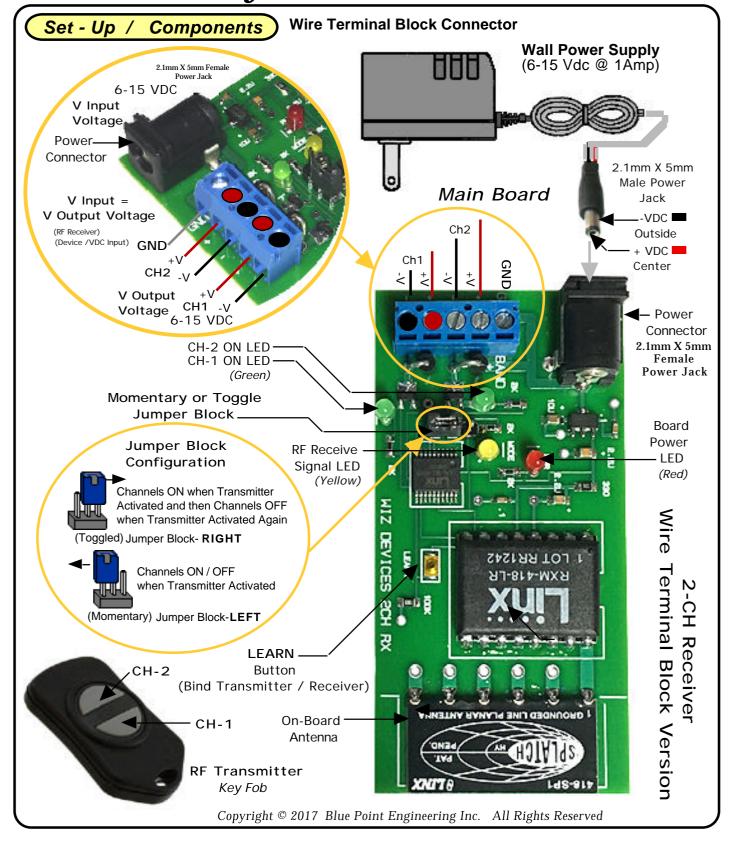
**SET-UP**: Quick connections, on board setting for easy use and user setup operations.







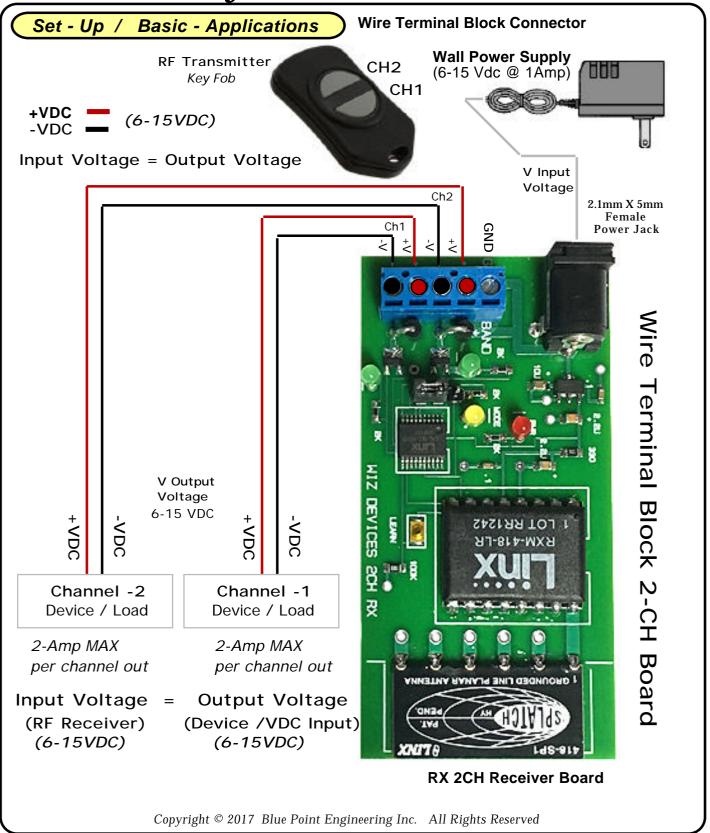
## RX-2 CH RF System







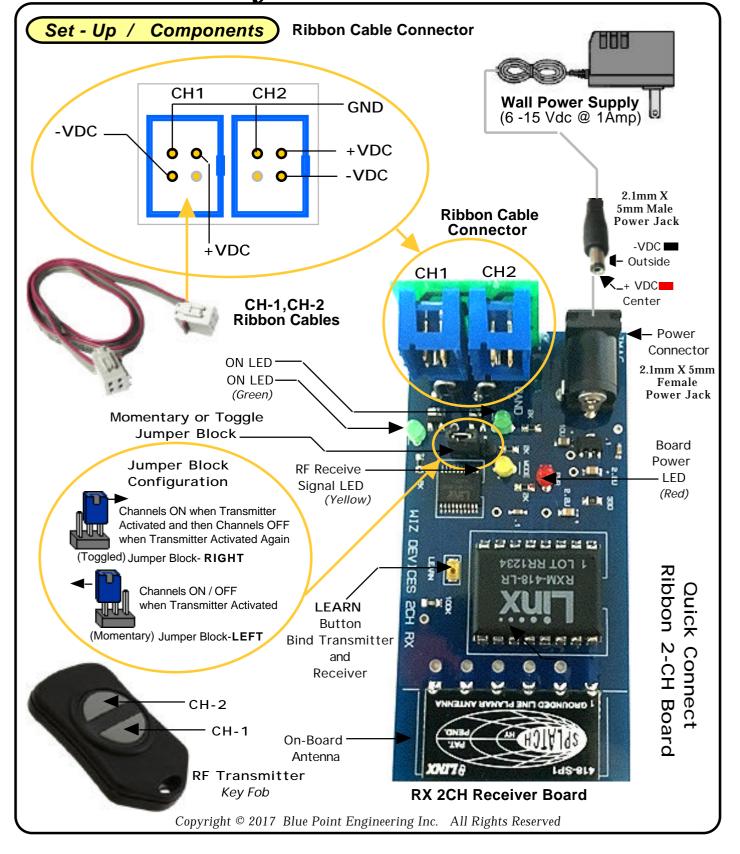
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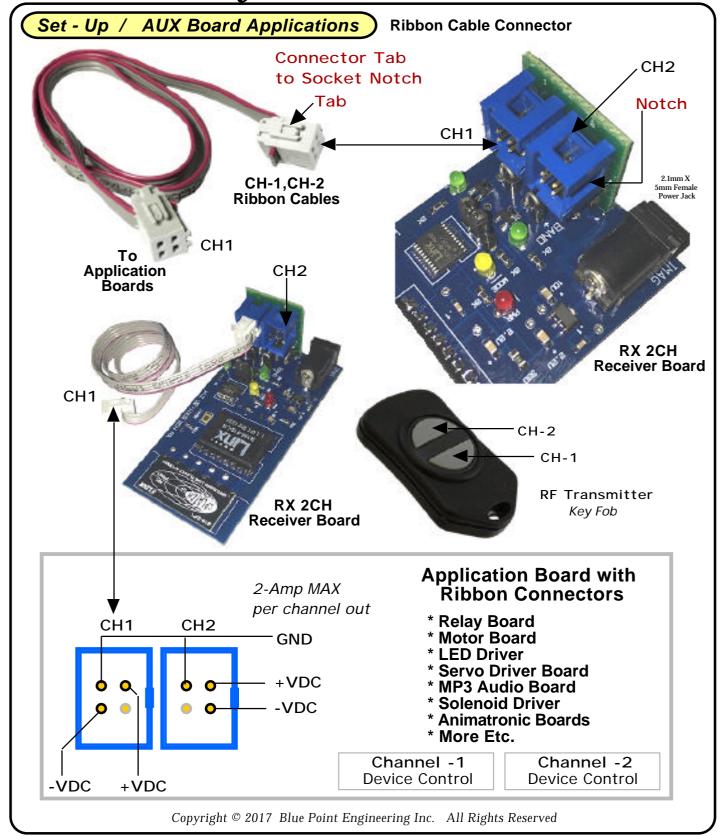
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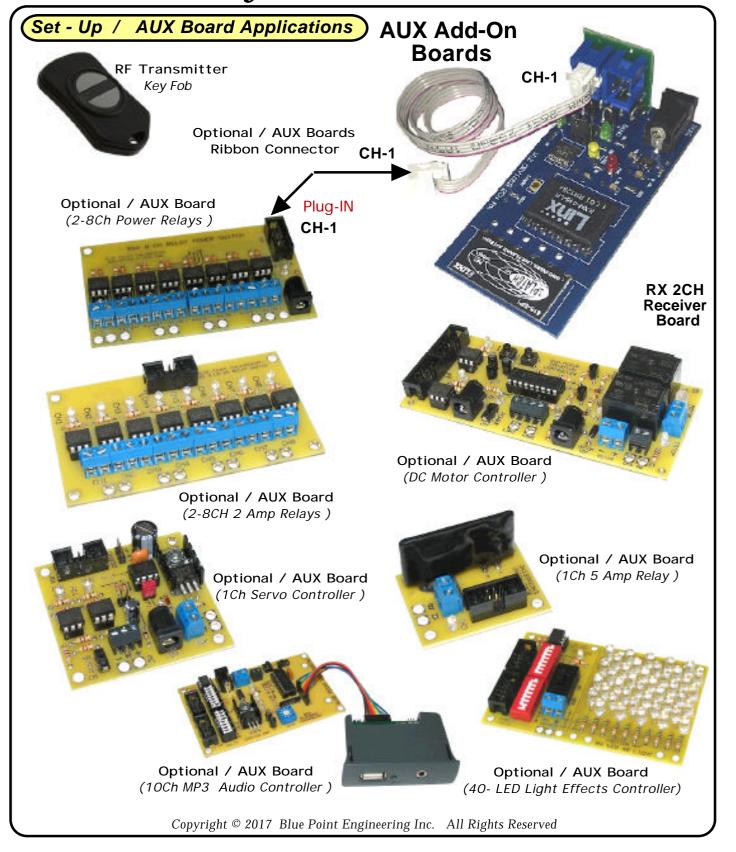
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# RX-2 CH RF System





## RX-2CH RF System RF Handheld Module

#### Set - Up / Changing Address

#### Key Fob Handheld Transmitter

The RF Key Fob Handheld Transmitter allows the selection of one of 16,777,216 (2<sup>24</sup>) unique addresses. All transmitters come ready to go with an address preset. To avoid conflict with other units or to create your own unique address or add additional RF receiver boards, you will need to change the RF handheld Transmitter and RF receiver board address.

#### RF Kev Fob Handheld Transmitter

Using a paper clip, press the ADD button down on the RF handheld Transmitter through the hole in the back of the case. The address will be randomized for as long as the button is held down. Release the button and the new randomized address will be activated. Press the buttons 1-2 on the front of RF handheld Transmitter. Press the ADD button with the paper clip again to record you actions or wait 17 seconds for it to time out. A new button address and Control Permissions are now set in the RF handheld Transmitter. The RF Receiver board will now need to learn the address before it will accept any handheld Key Fob button transmissions 1-2.



#### RF Receiver Board - 2 Channel ◀

Press the LEARN button down momentarily on the RF Receiver board. The Yellow LED will begin flashing indicating that the Receiver board is ready to learn the new handheld Transmitter addresses. Press buttons 1-2 on the front of the RF handheld Transmitter. Press the LEARN button down momentarily on the RF Receiver board again to record the actions of the handheld Transmitter buttons, or let the receiver board time out and stop automaticaly. The RF Receiver board is now ready to recognize the handheld Transmitter buttons and turn on the corresponding output channels 1-2 when activated by the handheld Transmitter. Test the system by pressing a button on the RF handheld Transmitter; a corresponding output on the RF Receiver board should be activated 1-2 (LED- Green ON).







# RX-8 RF System RF -Transmitter 315MHz

FCC Compliance, Certification

#### INSTRUCTION TO THE USER **FCC** compliance

This device complies with Part 15 of the FCC Rules.

#### Operation of this device 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.

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 quarantee 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.

This equipment has been certified to comply with the limits for a Class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables 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.

