

RX-8/4 RF System Receiver Board WIZ-RX8M/4T

Overview

RF WIZ-RX8M/4T Receiver Board

Type: RF Radio (315 MHz) 1-4 Channels and 1-8 Channels (FCC Part 15 Compliant Components).

Operating Voltage: 9-12 VDC @ 1 Amp (Wall Power Supply Adapter, 1Amp Battery Supply).

Antenna: Adjustable Angle, Receiver Antenna 418 MHz (2" long).

Control Output Mode: Momentary-8CH / Toggle-4CH, on-board DIP Switch user selection set.

LED Channel Status: Ch1-4 LED's On/Off, MODE Indicator- Receiver Activity, Learn mode.

Switched Output Application: -TTL VDC switched output voltage at 200 mAmp per channel.

Channels 1-8 at 1-5VDC, On-board Connector for +VDC circuit return.

BOARD: wire terminal connections, LEDs on receiver board for CH1-4, Ribbon connector for Ch 1-8 out. 2.5 x 5mm Power jack for power connection. ON-OFF Power Switch, LED Status Lights. 5VDC Regulator for stable operation and various board power supply options. Commercial Grade 3 Layer PCB, with small board footprint size. (3-1/2" L x 2-3/8" W x 1/2" H electronics, 2" long antenna, 3 mounting holes)

Optional Add-On / AUX Support Boards: Quick connection to optional add-on application boards

Switched On-Board Outputs: On-board wire terminal block for direct application connection to board channels 1-4 outputs. (no optional add-on board required)

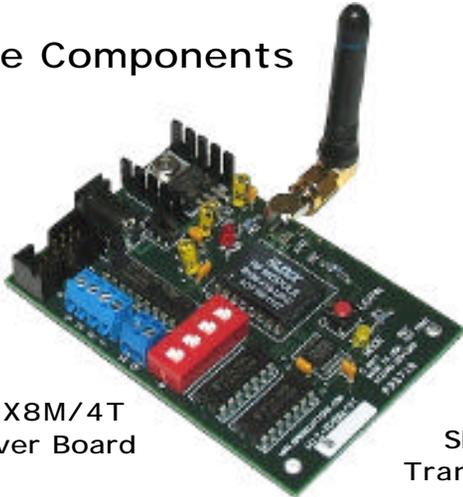
LEARN Mode: On-Board button switch, auto code-binding to Transmitter, Status LED.

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.

Base Components



WIZ-RX8M/4T Receiver Board

Optional Transmitters



Long Range Transmitter-8 Ch

Short Range Transmitter-8 Ch

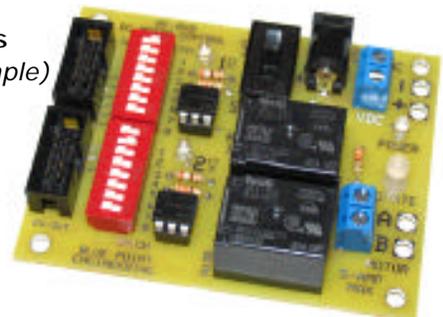
Keyfob Transmitter-5 Ch

Optional Add-On Boards



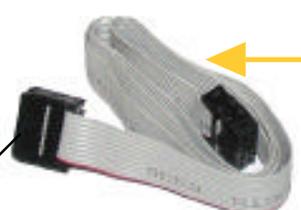
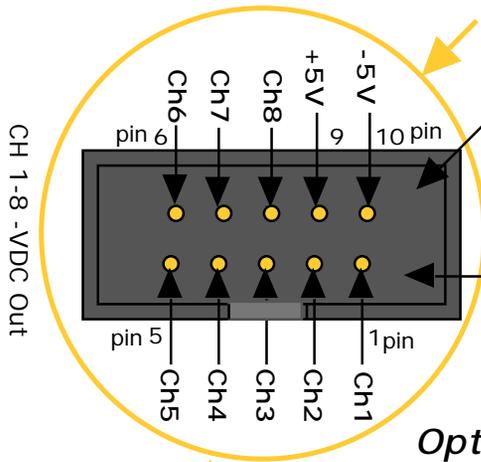
Optional AUX Board Ribbon Connector

Optional / AUX Boards (Motor CW, CCW Relay Example)



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Set - Up / Components



Optional / AUX Boards
Ribbon Connector

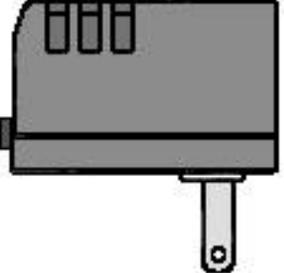


Optional / AUX Boards
(Motor CW, CCW Relay Example)

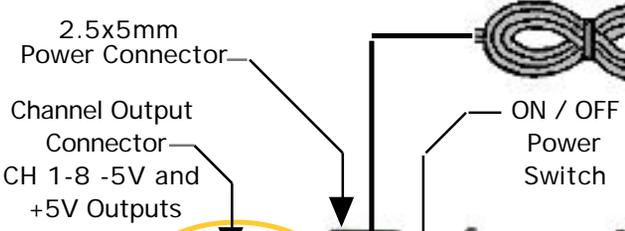
Pin 1-8 = CHANNELS 1-8 (-5VDC Switched ON / OFF)
Pin 9 = +5V POWER (+5VDC Output)
Pin 10 = -5V POWER (-5VDC Output)
200 mAmp per Ch Load

Optional Setup

Wall Power Supply
(9 Vdc @ 1Amp)



Main Board



Ch ON- LED

Channel 4
Channel 3
Channel 2
Channel 1
Switched ON/OFF

Channel 5VDC

Momentary or Toggle Switch Block
Ch 1,2,3,4

-5VDC Output when Switched ON
200 mAmp per Ch Load

315 MHz

Adjustable Antenna

LEARN Button
(Bind Transmitter / Receiver)

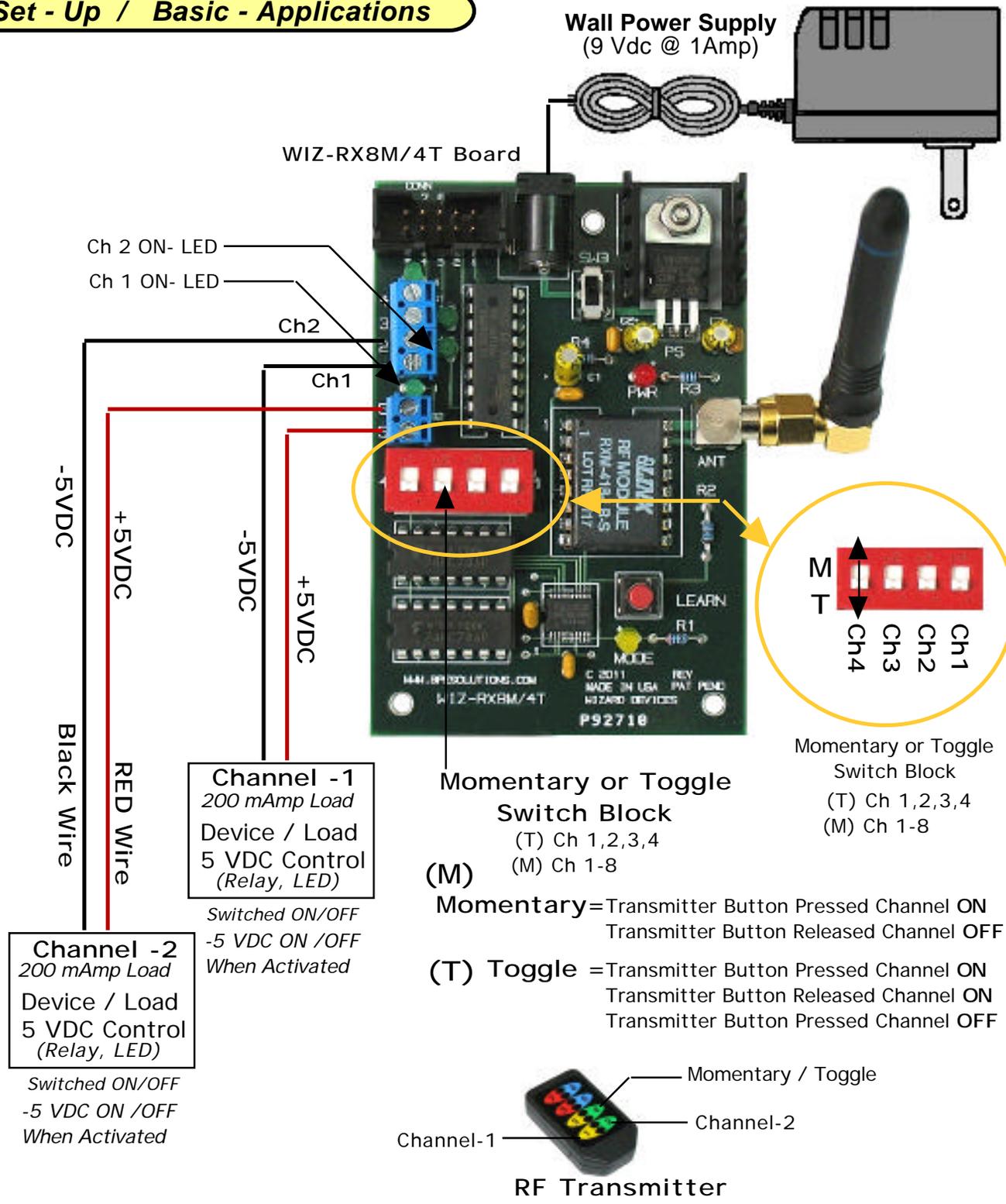
MODE LED
(Receiving / RF Activity)



Optional RF Transmitters
Key Fob / Short- Long Range

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Set - Up / Basic - Applications



Ch 2 ON- LED
Ch 1 ON- LED

WIZ-RX8M/4T Board

Wall Power Supply
(9 Vdc @ 1Amp)

-5VDC
+5VDC
-5VDC
+5VDC
Black Wire
RED Wire

Channel - 1
200 mA Load
Device / Load
5 VDC Control
(Relay, LED)
*Switched ON/OFF
-5 VDC ON /OFF
When Activated*

Channel - 2
200 mA Load
Device / Load
5 VDC Control
(Relay, LED)
*Switched ON/OFF
-5 VDC ON /OFF
When Activated*

**Momentary or Toggle
Switch Block**
(T) Ch 1,2,3,4
(M) Ch 1-8

**Momentary or Toggle
Switch Block**
(T) Ch 1,2,3,4
(M) Ch 1-8

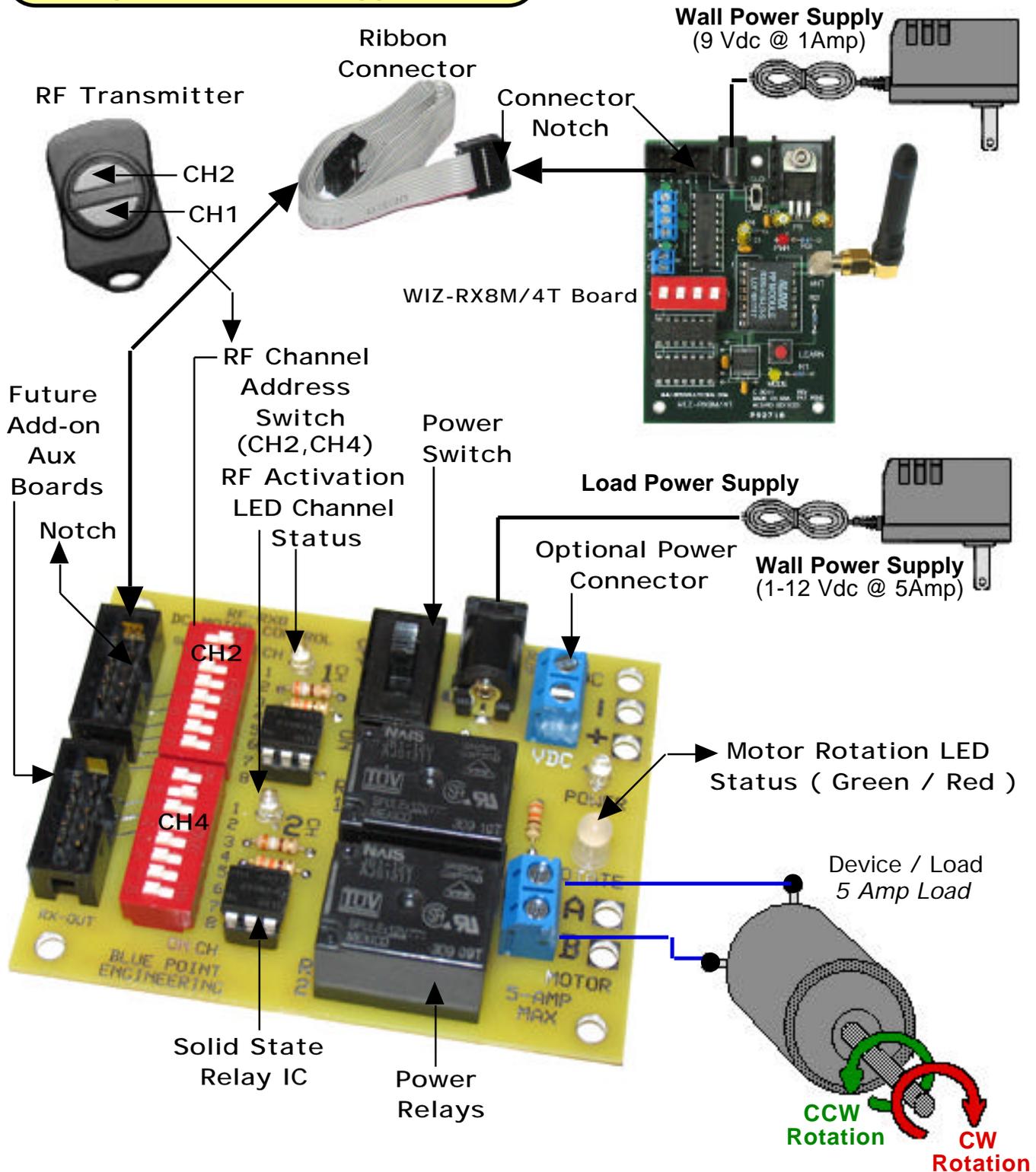
(M) Momentary = Transmitter Button Pressed Channel ON
Transmitter Button Released Channel OFF

(T) Toggle = Transmitter Button Pressed Channel ON
Transmitter Button Released Channel ON
Transmitter Button Pressed Channel OFF

Momentary / Toggle
Channel-2
Channel-1
RF Transmitter

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Set - Up / AUX Board Applications



RX-8/4 RF System Receiver Board WIZ-RX8M/4T

Set - Up / AUX Board Applications

OPTIONAL BOARDS

