



WIRING COLOR CODE FOR SCORPION ANTENNAS

updated 03/31/21

Scorpion Wiring Color Code:

With the **yellow wire positive and the green wire negative** the antenna coil will travel downwards going towards the 10 meter band.

The **brown and white wires** go to a Normally Open reed switch that closes two times per revolution of the motor coupling.

Warning: Do not apply DC voltage across the brown and white wires, as you will damage the reed switch.

When wiring to TuneMatic Pigtail, use the following chart:

<u>TuneMatic pigtail</u>	<u>Scorpion wires</u>	<u>Function</u>
BLACK (pin 1)	GREEN	Motor (-) when moving down
RED (pin 2)	YELLOW	Motor (+) when moving down
GREEN (pin 3)	BROWN or WHITE	Sensor leads, which are NOT
YELLOW (pin 4)	WHITE or BROWN	polarity specific.

(+) voltage applied to red (pin 2) on TuneMatic causes motor to move down

NOTE: Scorpion antennas utilize an 19v motor. With use of the TuneMatic automatic controller, it will be necessary to increase the slow speed adjustment control, so that the pulse LED flashes a minimum of 1-2 pulses per second in slow speed mode, so that a pulse error does not occur when tuning or operating the antenna. Refer to the TuneMatic instruction manual for instructions on how to set this adjustment.

The second option is to utilize a voltage booster on the DC input leads of the TuneMatic (18v booster), however, careful selection of a booster is important, as some switchers are noisy, which will interfere with the operation of the TuneMatic products.

JT Communications, LLC
Ocala, FL 34470
352-236-0744 www.tunematic.us