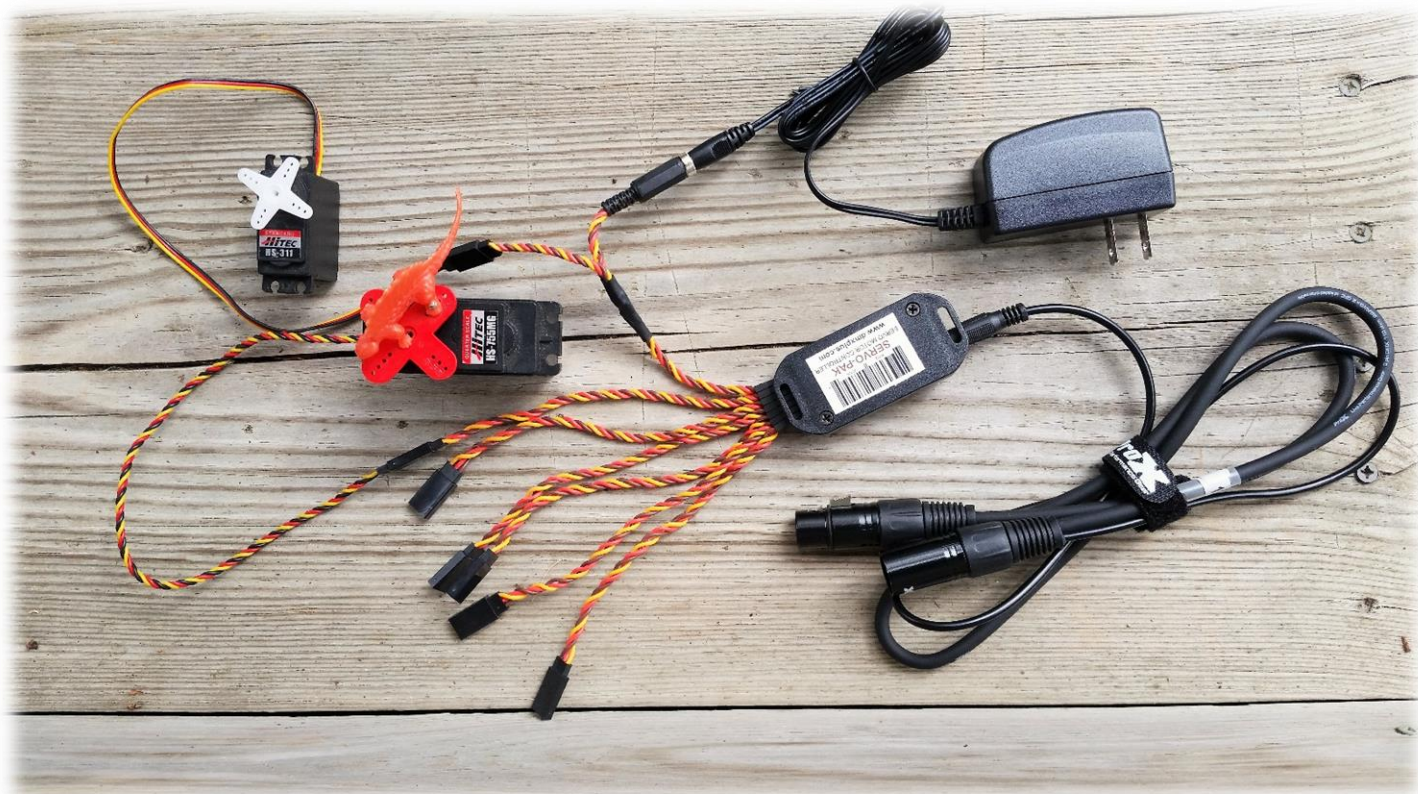


## 7 CHANNEL DMX-512 TO RC SERVO MOTOR ADAPTOR



**THE SERVO PAK CONNECTS TO ANY DMX-512 SYSTEM  
THE SERVO PAK WORKS WITH ALL 3-WIRE RC SERVO MOTORS  
EACH SERVO PAK USES ONLY 7 DMX CHANNELS DURING NORMAL OPERATION  
EACH SERVO'S DIRECTION OF MOVEMENT MAY BE REVERSED  
EACH SERVO HAS INDEPENDENT LEFT & RIGHT TRAVEL LIMITS  
SUPPLIED WITH 7 REMOVEABLE SERVO EXTENSION JUMPERS, AS SHOWN  
SUPPLIED WITH PREMIUM QUALITY TRAD REGULATED 5 VOLT 2 AMP  
REMOVABLE, DC SWITCHING POWER SUPPLY, 100-240 VAC INPUT**

### **TO SET DMX BASE ADDRESS USING A DMX-512 CONTROLLER**

**Connect the DMX Controller to the SERVO PAK.**

**Apply Power To Both The DMX Controller And The Servo Pak.**

**On The DMX Controller, Set Channel 1 to Desired BASE ADDRESS to Set in the SERVO PAK.**

**Base Address of 0 or 1, Both Equate to a Base Address of 1.**

**Set All Other Channels to 000.**

## THERE IS A BUTTON ON THE SERVO PAK'S CASE JUST BELOW THE LED

**Press & Hold Button until LED Flashes 3 Times.**

**The above sets the Servo Pak to the Default Settings:**

**Base Address 1 to 255.**

**All Servo Motor Travel Forward.**

**All Servos Have Maximum Travel.**

## REVERSING THE DIRECTION OF MOVEMENT AND SETTING SERVO TRAVEL LIMITS

**The Value in Channel 2 Selects weather or not Each Channel is Inverted, Reversing the Servo's Direction.**

**Add 1 to the Value in Channel 2 to Invert Servo1**

**Add 2 to the Value in Channel 2 to Invert Servo2**

**Add 4 to the Value in Channel 2 to Invert Servo3**

**Add 8 to the Value in Channel 2 to Invert Servo4**

**Add 16 to the Value in Channel 2 to Invert Servo5**

**Add 32 to the Value in Channel 2 to Invert Servo6**

**Add 64 to the Value in Channel 2 to Invert Servo7**

**Examples:**

**If Value in DMX Channel 2 equals = 00 Then None of the Servos are Inverted.**

**If Value in DMX Channel 2 equals = 01 Then the 1st Servo is Inverted.**

**If Value in DMX Channel 2 equals = 02 Then the 2nd Servo is Inverted.**

**If Value in DMX Channel 2 equals = 03 Then the 1st and 2nd Servos are Inverted.**

**If Value in DMX Channel 2 equals = 04 Then the 3rd Servo is Inverted.**

**If Value in DMX Channel 2 equals = 08 Then the 4th Servo is Inverted.**

**If Value in DMX Channel 2 equals = 16 Then the 5th Servo is Inverted.**

**If Value in DMX Channel 2 equals = 17 Then the 5th and 1st Servos are Inverted.**

**If Value in DMX Channel 2 equals = 127 Then the All 7 Servos are Inverted.**

## USING DMX BASE ADDRESSES OF 256 to 512

**Add 128 to the Value in Channel 2. This will Add 255 to the Base Address in Channel 1**

**Examples:**

**Channel 1 set to 1, Channel 2 set to 128, Sets Base Address of 256, No Servos Inverted.**

**Channel 1 set to 1, Channel 2 set to 132, Sets Base Address of 256, 1st 2 Servos Inverted.**

**Channel 1 set to 1, Channel 2 set to 255, Sets Base Address of 256, All Servos Inverted.**

**Channel 1 set to 2, Channel 2 set to 255, Sets Base Address of 257, All Servos Inverted.**

**Channel 1 set to 3, Channel 2 set to 128, Sets Base Address of 258, No Servos Inverted.**

## SERVO TRAVEL LIMITS

**Value in Channel 3 Limits LEFT 'Minimum' Travel of Servo 1**

**Value in Channel 4 Limits Right 'Maximum' Travel of Servo 1**

**Value in Channel 5 Limits LEFT Travel of Servo 2**

**Value in Channel 6 Limits Right Travel of Servo 2**

**Value in Channel 7 Limits LEFT Travel of Servo 3**

**Value in Channel 8 Limits Right Travel of Servo 3**

**Value in Channel 9 Limits LEFT Travel of Servo 4**

**Value in Channel 10 Limits Right Travel of Servo 4**

**Value in Channel 11 Limits LEFT Travel of Servo 5**

**Value in Channel 12 Limits Right Travel of Servo 5**

**Value in Channel 13 Limits LEFT Travel of Servo 6**

**Value in Channel 14 Limits Right Travel of Servo 6**

**Value in Channel 15 Limits LEFT Travel of Servo 7**

**Value in Channel 16 Limits Right Travel of Servo 7**

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