

## **BBV Rx400DC Receiver and SHAWLEY ANTHONY 565 & 365/461 DC pan/tilt head**

The head drive connector can be either 7 or 8 pin, the BBV Rx400DC is not compatible with the 7 pin connector pan/tilt head due to a common brake and motor ground.

### 8 Pin connector

Rx400DC J13	Function	565 PIN No	365/461 PIN No
PM +	Pan MOTOR+	3	4
PM -	Pan MOTOR-	2	3
PB +	Pan BRAKE+	4	1
PB -	Pan BRAKE-	1	2
TB +	Tilt BRAKE+	5	6
TB -	Tilt BRAKE-	8	5
TM +	Tilt MOTOR+	6	7
TM -	Tilt MOTOR-	7	8

Again on the feedback connector there are two types, 4 and 6 pin. Both types are shown.

### 4 Pin connector

Rx400DC J10	Function	Head Pin Number
8 (-VE)	NEUTRAL	1
5 (+VE)	+VE SUPPLY	2
6 (PAN)	PAN POT	3
7 (TILT)	TILT POT	4

### 6 Pin connector

Rx400DC J10	Function	Head Pin Number
5 (+VE)	COMMON	1
6 (PAN)	PAN SENSE	2
8 (-VE)	COMMON	3
5 (+VE)	COMMON	4
7 (TILT)	TILT SENSE	5
8 (-VE)	COMMON	6

With the head drive wiring, if the head doesn't drive off an end stop then the brake wiring should be swapped, i.e. TB- and TB+.

If the head drives in the opposite direction, i.e. moving left when you press the right key, then swap both motor drive pair and also the brake pair, i.e. PM- and PM+ and then PB- and PB+.

***DO NOT CONNECT A BRAKE AND MOTOR DRIVE TOGETHER, YOU WILL DAMAGE THE Rx400DC.***