

- Note that the hexadecimal values in the pan column are not what might be expected as these are the actual values that are used on the communications line from the Burle equipment. In the Burle protocol, the bit positions of the pan speed cross over a nibble boundary and are thus a pain to read. (Works just fine with the software and hardware, but is difficult for the human-ware. And of course tilt is nicely aligned on a nibble boundary.)
- In the following table, most entries are not used by the TXB-B. I have marked those that are used in **bold** type. The last column (marked “Fixed Speed ON 1x Cmnd”) indicates the command used with fixed speed keyboards to select a given set of pan/-tilt speeds. The default speed is given by ON 15 which marked in **bold**.

Table Index	Pan			Tilt				Fixed Speed ON 1x Cmnd
		Spectra	Esprit		Spectra		Esprit	
	Burle Index	°/sec	°/sec	Burle Index	NTSC °/sec	PAL °/sec	°/sec	
0x00 0 ₁₀		0.5	0.2		0.5	0.5	0.5	
0x01 1 ₁₀		0.5	0.2		0.5	0.5	0.5	
0x02 2 ₁₀		0.5	0.3		0.5	0.5	0.5	
0x03 3 ₁₀		0.5	0.3	0x00 0	0.5	0.5	0.5	
0x04 4 ₁₀		0.5	0.4		0.5	0.5	0.5	
0x05 5 ₁₀		0.5	0.5		0.5	0.5	0.5	
0x06 6 ₁₀		0.5	0.7		0.5	0.5	0.5	
0x07 7 ₁₀	0x00 0	0.5	0.9	0x01 1	0.9	0.9	0.7	
0x08 8 ₁₀		0.5	1.2		1.3	1.3	0.9	
0x09 9 ₁₀		0.5	1.5		1.6	1.6	1.1	
0x0A 10 ₁₀		0.6	1.8		2.0	2.0	1.3	
0x0B 11 ₁₀	0x08 1	0.7	2.1	0x02 2	2.3	2.3	1.4	
0x0C 12 ₁₀		0.7	2.5		2.7	2.7	1.6	
0x0D 13 ₁₀		0.8	2.9		3.0	3.0	1.8	
0x0E 14 ₁₀		0.9	3.3		3.4	3.4	2.0	
0x0F 15 ₁₀	0x10 2	1.0	3.7	0x03 3	3.7	3.7	2.2	
0x10 16 ₁₀		1.0	4.1		4.1	4.1	2.3	
0x11 17 ₁₀		1.1	4.5		4.5	4.5	2.5	
0x12 18 ₁₀		1.3	4.8		4.8	4.8	2.7	
0x13 19 ₁₀	0x18 3	1.4	5.2	0x04 4	5.2	5.2	2.9	
0x14 20 ₁₀		1.5	5.6		5.6	5.6	3.1	
0x15 21 ₁₀		1.7	5.9		5.9	5.9	3.3	
0x16 22 ₁₀		1.8	6.3		6.3	6.3	3.5	

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Table Index	Pan			Tilt				Fixed Speed ON 1x Cmnd	
	Burle Index	Spectra	Esprit	Burle Index	Spectra		Esprit		
		°/sec	°/sec		°/sec	PAL °/sec	°/sec		
0x17 23 ₁₀	0x20 4	2.0	6.7	0x05 5	6.7	6.7	3.6		
0x18 24 ₁₀	0x28 5	2.2	7.1	0x06 6	7.1	7.1	3.8	11	
0x19 25 ₁₀		2.4	7.5		7.5	7.5	4.0		
0x1A 26 ₁₀		2.6	7.8		7.8	7.8	4.2		
0x1B 27 ₁₀		2.9	8.2		8.2	8.2	4.4		
0x1C 28 ₁₀		3.2	8.6		8.6	8.6	4.6		
0x1D 29 ₁₀		3.5	9.0		9.0	9.0	4.9		
0x1E 30 ₁₀		3.8	9.4		9.4	9.4	5.1		
0x1F 31 ₁₀	0x30 6	4.2	9.9	0x07 7	9.9	9.9	5.3		
0x20 32 ₁₀	0x38 7	4.6	10.3	0x08 8	10.3	10.3	5.5	12	
0x21 33 ₁₀		5.0	10.7		10.7	10.6	5.7		
0x22 34 ₁₀		5.5	11.1		11.1	10.7	6.0		
0x23 35 ₁₀		6.0	11.6		11.6	11.8	6.2		
0x24 36 ₁₀		6.6	12.1		12.1	12.1	6.4		
0x25 37 ₁₀		7.3	12.5		12.5	12.5	6.7		
0x26 38 ₁₀		8.0	13.0		12.8	13.0	6.9		
0x27 39 ₁₀	0x40 8	8.7	13.5	0x09 9	13.1	13.5	7.2		
0x28 40 ₁₀	0x48 9	9.6	14.1	0x0A 10	13.9	14.1	7.5	13	
0x29 41 ₁₀		10.5	14.6		14.6	14.6	7.8		
0x2A 42 ₁₀		11.5	15.2		15.2	15.2	8.1		
0x2B 43 ₁₀		12.6	15.7		15.7	15.7	8.4		
0x2C 44 ₁₀		13.9	16.4		16.4	16.4	8.7		
0x2D 45 ₁₀		15.2	17.0		17.0	17.0	9.0		
0x2E 46 ₁₀		16.7	17.7		17.7	17.7	9.4		
0x2F 47 ₁₀	0x50 10	18.3	18.4	0x0B 11	18.4	18.4	9.7		
0x30 48 ₁₀	0x58 11	20.0	19.1	0x0C 12	19.1	19.1	10.1	14	
0x31 49 ₁₀		22.0	19.9		19.9	19.9	10.5		
0x32 50 ₁₀		24.1	20.8		20.8	20.4	11.0		
0x33 51 ₁₀		26.4	21.7		21.7	20.6	11.4		
0x34 52 ₁₀		29.0	22.7		22.7	24.9	11.9		
0x35 53 ₁₀		31.8	23.7		23.7	25.2	12.4		
0x36 54 ₁₀		34.9	24.8		24.8	25.3	13.0		
0x37 55 ₁₀	0x60 12	38.2	26.0	0x0D 13	25.3	25.5	13.5		
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Table Index		Pan			Tilt				Fixed Speed ON 1x Cmnd		
			Spectra	Esprit		Spectra		Esprit			
		Burle Index	°/sec	°/sec	Burle Index	NTSC °/sec	PAL °/sec	°/sec			
0x38	56 ₁₀	0x68	13	41.9	27.3	0x0E	14	29.0	26.0	14.2	17
0x39	57 ₁₀			46.0	28.7			30.0	26.5	14.8	
0x3A	58 ₁₀			50.4	30.2			31.0	27.0	15.5	
0x3B	59 ₁₀			55.3	31.8			32.0	38.0	16.3	18
0x3C	60 ₁₀	60.7	33.6	33.6	29.0	17.1					
0x3D	61 ₁₀	66.5	35.6	35.6	37.6	18.0					
0x3E	62 ₁₀	72.9	37.7	37.0	40.0	19.0					
0x3F	63 ₁₀	0x70	14	80.0	40.0	0x0F	15	44.0	44.0	20.0	

1.7.4 Q: Wow! Looking over that table it seems that the AutoDome moves faster than the Spectra does until you get to turbo speed. Are you sure that your numbers are correct?

A: I'm sure and Burle does not have the Spectra's low speeds. (Unless we have a "high speed" model and others have a "low speed" model.)

1.7.5 Q: How do I change the pan/tilt speeds that are available to me on a fixed speed system?

A: Use the following "ON" commands to get the indicated speeds. (In an Esprit the speeds will differ and in future versions of the Spectra they may also differ. In future revisions of the equipment, the speed available with the TXB-B may change. Be sure to use the manual that came with your unit.)

20°/Sec (ON 15) is the default value.

Command	Speed °/Sec	Command	Speed °/Sec
ON 11	3.8	ON 15	20
ON 12	6	ON 16	29
ON 13	9.6	ON 17	46
ON 14	15.2	ON 18	60.1

1.7.6 Q: With my Burle cameras the zoom speed changes depending on how hard I twist the joy stick. The Spectra does not do this, it seems to only have one speed for zoom. What is wrong?

A: None of Pelco's products have a dynamicly variable zoom speed feature, so it wasn't implemented.