1.Purpose

The following Diagrams show the mapping of the hex speed information kept in the third byte of a command sent in 1200 mode on a V1300X-DVC Remote Control Panel in relation to relative joystick offset. This document is meant to aid in determining the meaning of the data used in the source code (currently 'txb-v.c'). In addition to the additional speed derived from the information encoded in the third byte of a vicon 1200 speed control mode command, the first ten presets are encoded in the 4th byte of the vicon command in any speed control mode in direct mode (It is assumed that this remains true in any of the Keypad Types selectable, but I have only been able to test this in SNGL(direct) mode. I have no access to a matrix system to test this in any other modes.) The encoded presets are used when the TXB-V detects the vicon controller is sending fixedspeed 'start queries' and pan/tilt commands with speed information in the 3rd byte. The TXB-V then switches interprets the new 1200 mode speed commands. The TXB-V will accept the special preset commands listed below whenever fixedspeed type 'start queries' are used (i.e. [80] [10←→1F])

2.Special Presets Used in 'fixedSpeed & 1200' mode

The representation of the encoded presets parsed from byte 4 of the Vicon command
(1-10 'RUN/PRG') are as follows:

Preset #	'RUN' mode	'PRG' mode
1	0x21	0x41
2	0x22	0x42
3	0x23	0x43
4	0x24	0x44
5	0x25	0x45
6	0x26	0x46
7	0x27	0x47
8	0x28	0x48
9	0x29	0x49
10	0x2A	0x4A

3.Hex Speed Mapping (1200 mode)

VICON KBD

V1300X-DVC

SPEED CONTROL TYPE: 1200 mode

X & Y Axis Map

Y+

06

02

04

00

**Numbers represent speed values
in hex for the axis. The speed byte
is stored in the 3rd byte of the command.**

X-   18   08   10   00   00   10   08   18   X-

00

04
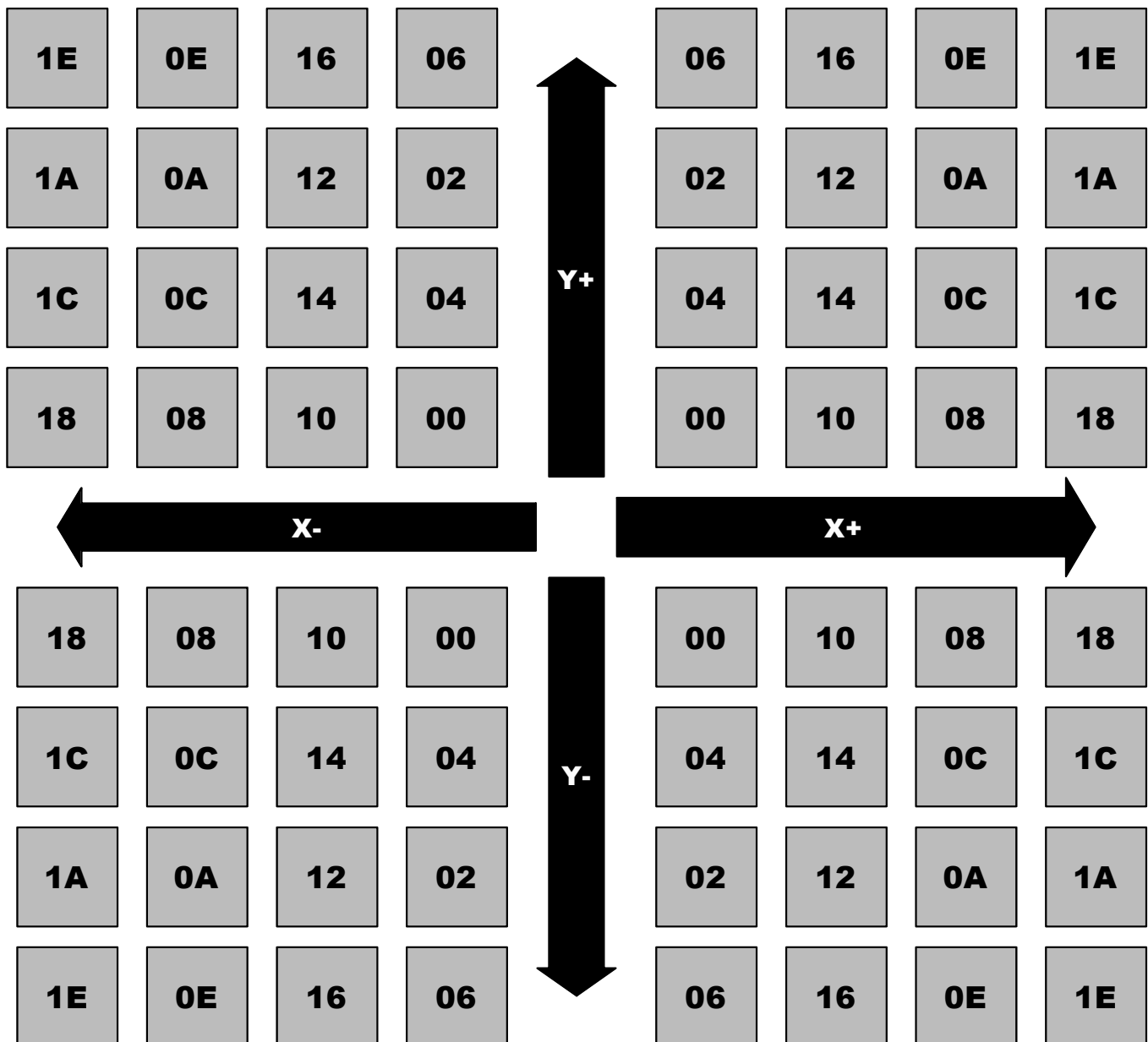
02

06

Y-
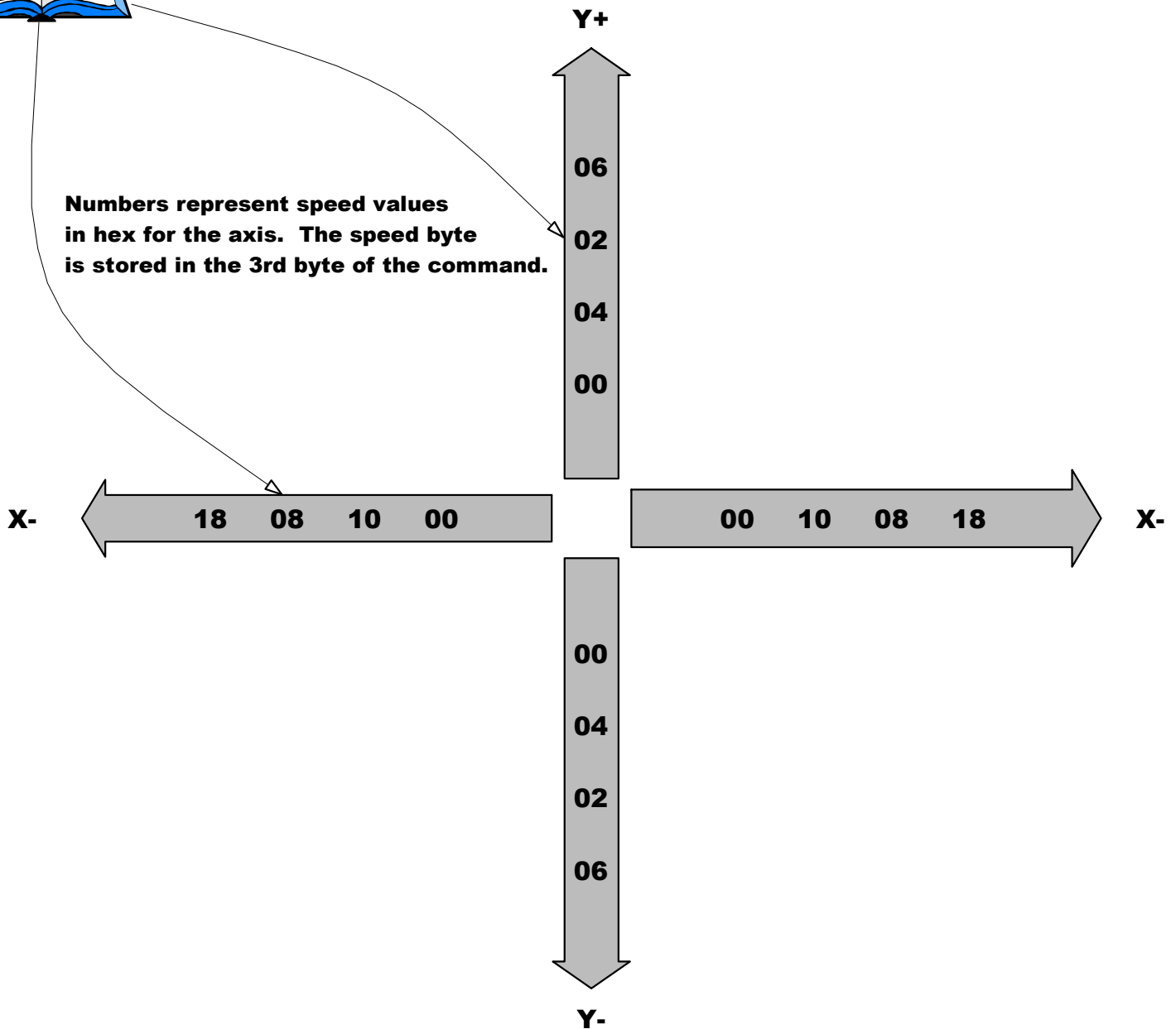
Axis Speed Information: 3rd Byte of command

(ex. Pan Left [full]: 40 00 18 00 0F 78 00 00)

VICON KBD

V1300X-DVC

SPEED CONTROL TYPE: 1200 mode

Diagonal Coordinate Map

1E	0E	16	06		06	16	0E	1E
1A	0A	12	02		02	12	0A	1A
1C	0C	14	04	**Y+**	04	14	0C	1C
18	08	10	00		00	10	08	18

X- ← → **X+**

18	08	10	00		00	10	08	18
1C	0C	14	04		04	14	0C	1C
1A	0A	12	02	**Y-**	02	12	0A	1A
1E	0E	16	06		06	16	0E	1E

Diagonal Speed Coordinates: 3rd Byte of command

(ex. Pan Up/Left: 50 00 1E 00 0F 78 0F 78)