FB3-QS

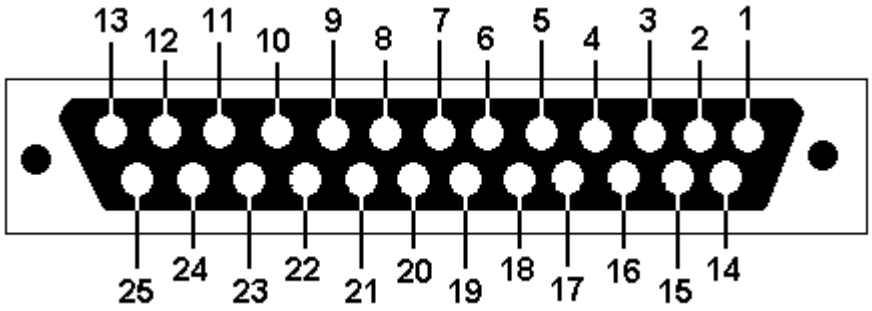
The Pangolin FB3-QS laser controller is a small, palm-sized box connects between a USB port on your PC and the ILDA input connector on your laser projector.

FB3-QS can use up to 500 mili-ampere which means that when you use an USB hub to connect the FB3-QS to your computer, make sure that you use a **powered USB hub**.

Dimensions : 4.2 x 2.8 x 1.3 in (110 x 71 x 33 mm)



ILDA DB-25F pinouts



Signal name	Pin	Notes
X+	1	-5V to +5V
Y+	2	-5V to +5V
Intensity/Blanking +	3	0V to +5V
Interlock A	4	
Red+	5	0V to +5V
Green+	6	0V to +5V

Signal name	Pin	Notes
Blue+	7	0V to +5V
Deep blue +	8	0V to +5V
Yellow	+ 9	0V to +5V
Cyan +	10	0V to +5V
Z+	11	
Not connected	12	
Shutter	13	0V to +5V
X-	14	-5V to +5V
Y-	15	-5V to +5V
Intensity/Blanking -	16	0V
Interlock B	17	
Red-	18	0V
Green-	19	0V
Blue-	20	0V
Deep blue -	21	0V
Yellow -	22	0V
Cyan -	23	0V
Z-	24	
Ground	25	Cable shield

LED light codes

The front LED next to the USB connector indicates the current function the FB3-QS is executing:

Led Color	status
Solid Green	Powered (connected to USB but no connection to QuickShow)
Solid Yellow	Connected (to the Quickshow or other software), but offline
Red Slow Flash	Online, but output inactive (dummy stream, no cue active)
Red Fast Flash	Online and output active (at least one cue active)
Yellow Slow Flash	Online but output disabled (either invalid license, or some other fault)
Solid White	Firmware update in progress

Extending USB over Cat5

The only device we have seen working with FB3 over Cat 5 is:
https://www.startech.com/en-us/cards-adapters/usb2004ext2

Every other device, be it simple or client-server, had issues.

From:
https://wiki.pangolin.com/ - **Complete Help Docs**

Permanent link:
https://wiki.pangolin.com/doku.php?id=hardware:fb3&rev=1618414034

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