



Eyb Megaswitch® 3.0 Type M

Type M has 4 circuits with individual terminals per position

This means that in all 4 circuits all 5 positions can be connected individually. If this is not enough, a “stacked” version is available. 8 circuits should satisfy even the most demanding wiring freak! Diagrams on request.

This idea of a switch is not really new. There are several switches like this on the market. All of these though have disadvantages. Some of them are of a size that makes it difficult to fit into some guitars. Most of them have soldering lugs which are too small to take more than one cable which is often necessary for custom wirings. For some oft hem terminal assignments are not very clear.

The megaswitch® M is the same size as all other Megaswitches. Neighboring terminals can be connected with soldering bridges and are clearly assigned with A 1 – 5, B 1 – 5, C 1 – 5 and D 1 – 5.

Schematics for Eyb Megaswitch® M

Position 1 = lever neck side, position 5 = lever bridge side. The terminals assigned as „common“ are connected with terminals as shown below.

Common/Pos.	1	2	3	4	5
A	1	2	3	4	5
B	1	2	3	4	5
C	1	2	3	4	5
D	1	2	3	4	5

In the following you see some usefull diagrams. More examples on request

1. single coil / single coil

neck	middle	bridge
single coil		single coil

Sounds

pos.	sound
1	neck pickup
2	bridge- and neck pickup serial
3	bridge- and neck pickup parallel
4	bridge- and neck pickup ½ out of phase
5	bridge pickup

wires

(using Telecaster* pickups with a metal base plate, the plate must be disconnected from the pickup –pole and grounded separately.)

terminal	wires	terminal	wires
A1	output	C1	
A2	bridge to terminal B2	C2	output
A3	output	C3	output
A4	output	C4	ground
A5		C5	output
A	neck pickup +pole	C	bridge pickup +pole
B1		D1	
B2	bridge to terminal A2	D2	
B3	ground	D3	
B4	bridge to terminal D4	D4	bridge to terminal B4
B5	ground	D5	
B	bridge pickup -pole (without shield)	D	through a 22 nF capacitor to output

Permanent connections: neck pickup –pole to ground

*Stratocaster and Telecaster are trademarks of Fender Musical Instruments

2. humbucker / single coil / humbucker

neck	middle	bridge
Humbucker	Singlecoil	Humbucker

sounds

Pos.	Sound
1	neck humbucker
2	middle single coil + neck single coil
3	bridge single coil + neck single coil serial
4	bridge single coil + middle single coil
5	Steg Humbucker

wires

terminal	wires	terminal	wires
A1	neck pickup +pole	C1	
A2	neck pickup +pole	C2	ground
A3	bridge pickup +pole	C3	
A4	bridge pickup +pole	C4	
A5	bridge pickup +pole	C5	
A	output	C	neck pickup serial link
B1		D1	
B2	output	D2	
B3		D3	neck pickup +pole
B4	output	D4	ground
B5		D5	
B	middle pickup +pole	D	bridge pickup serial link

Permanent connections: neck and middle pickup –poles to ground

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3. humbucker / humbucker

This wiring is similar to the Eyb Megaswitch® P except for the center position

neck	middle	bridge
humbucker		humbucker

sounds

Pos.	Sound
1	neck humbucker
2	inside coils of the humbuckers parallel
3	bridge humbucker + neck humbucker
4	outside coils of the humbuckers parallel
5	bridge humbucker

wiring

terminal	wires	terminal	wires
A1	neck pickup +pole	C1	
A2	neck pickup +pole	C2	neck pickup serial link
A3	neck pickup +pole	C3	
A4		C4	bridge pickup serial link
A5		C5	
A	output	C	ground
B1		D1	
B2	bridge pickup serial link	D2	bridge pickup +pole
B3		D3	bridge pickup +pole
B4	neck pickup serial link	D4	bridge pickup +pole
B5		D5	
B	output	D	output

Permanent connections: both –poles to ground

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4. Singlecoil / Singlecoil / Singlecoil with 2 tone controls

Neck	Middle	Bridge
Singlecoil	Singlecoil	Singlecoil

The purpose of this wiring is to avoid the access of more than one tone control per position.

Pos.	Sound	active tone control
1	neckpickup	front
2	neck- and middlepickup	front
3	bridge- and neckpickup	front
4	bridge- ad middlepickup	rear
5	bridgepickup	rear

wiring

terminal	wires	terminal	wires
A1		C1	tone control front
A2		C2	tone control front
A3	bridge pickup +pole	C3	tone control front
A4	bridge pickup +pole	C4	tone control rear
A5	bridge pickup +pole	C5	tone control rear
A	output	C	output
B1	neck pickup +pole	D1	
B2	neck pickup +pole	D2	middle pickup +pole
B3	neck pickup +pole	D3	
B4		D4	middle pickup +pole
B5		D5	
B	output	D	output

Permanent connections: all –poles to ground

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