

# Daughterboard DB-FV1 R8

[www.uk-electronic.de](http://www.uk-electronic.de), Vor dem Kirchtore 1, 39164 Wanzleben-Börde, Germany

**Eigenschaften:**  
8 Gitarreneffekte  
Mono In und Stereo Out

**Aktuelle Grösse:**  
27,8mm x 51,5mm



## Kurzbeschreibung:

Das DB-FV1 R8 Modul ist externes Modul mit 8 vorprogrammierten Hall und Reverb Effekten für Gitarre. Die Ansteuerung erfolgt Mono und die Ausgabe Stereo. Das Daughterboard kann für Fußpedale oder auch zum Einbau in einen Verstärker benutzt werden

Zum Betrieb ist eine externe Schaltung notwendig bestehend aus Spannungsversorgung (minimum +5V DC), Eingangsverstärker, Kodierschaltung und 3 Potentiometer für die Parameterbearbeitung.

Grundschaltung sowie einige Beispiele werden auf den nächsten Seiten dokumentiert

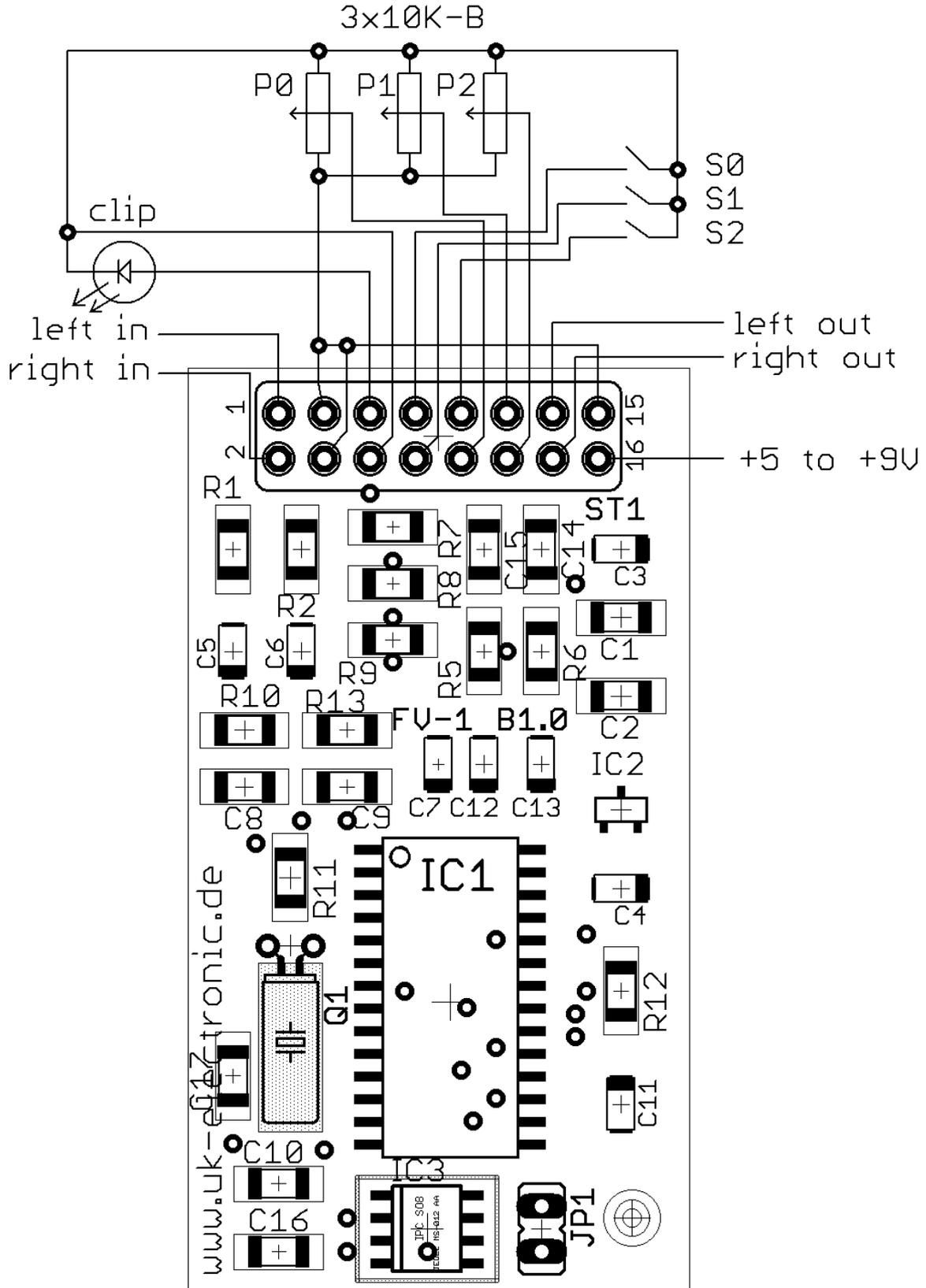
## Folgende Effekte sind im DB-FV1 R8 integriert:

Programm#	Beschreibung	Pot 0	Pot 1	Pot 2
1	Moderate Reverb	Reverb Time	LF Response	HF Response
2	Large Reverb	Reverb Time	LF Response	HF Response
3	Gated Reverb	Predelay 0-100ms	Reverb Time	Damping
4	Room	Predelay 0-100ms	Reverb Time	Damping
5	Hall	Predelay 0-100ms	Reverb Time	Damping
6	Plate Reverb	Reverb Time	LF Loss	HF Loss
7	Mini Reverb	-	-	-
8	Vocal Reverb 3	Reverb Time	Diffusion	Decay Filtering

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Vor dem Kirchtore 1  
OT Hohendodeleben  
39164 Wanzleben –Börde  
Germany

Rev. 1.3  
13.06.2018

**Typische Applikation:**



UK-electronic  
 Vor dem Kirchtore 1  
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 Germany

Rev. 1.0  
 27.10.2015

## Electrical Characteristics

Parameter	Min	Typ	Max	Units
Supply voltage ( $V_{DD}$ )	5	-	12	V
Supply current	45	57	75	mA
Max input signal level	2.6	-	3	$V_{p-p}$
Max output signal level	2.6	-	3	$V_{p-p}$
ADC equivalent input noise (A weighted)		-97		dB
DAC output noise (A weighted)		-97		dB
Operating temperature	0	25	70	°C

## Pins and signals

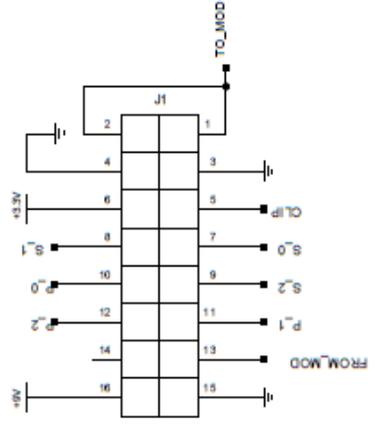
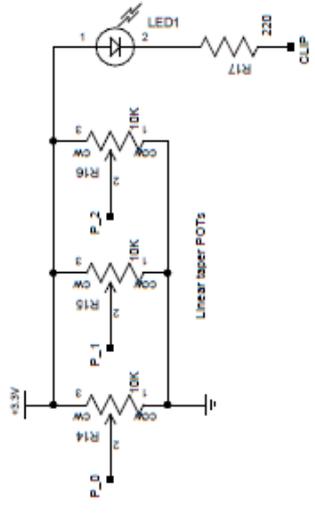
Number	Name	Direction
1	Left input	Input
2	Right input	Input
3	GND	-
4	GND	-
5	Clip LED output	Output
6	3.3V out <sup>3</sup>	Power out
7	S0 <sup>1</sup>	Input
8	S1 <sup>1</sup>	Input
9	S2 <sup>1</sup>	Input
10	POT 0 <sup>2</sup>	Input
11	POT 1 <sup>2</sup>	Input
12	POT 2 <sup>2</sup>	Input
13	Left out	Output
14	Right out	Output
15	GND	-
16	$V_{IN}$	Power in

### NOTES:

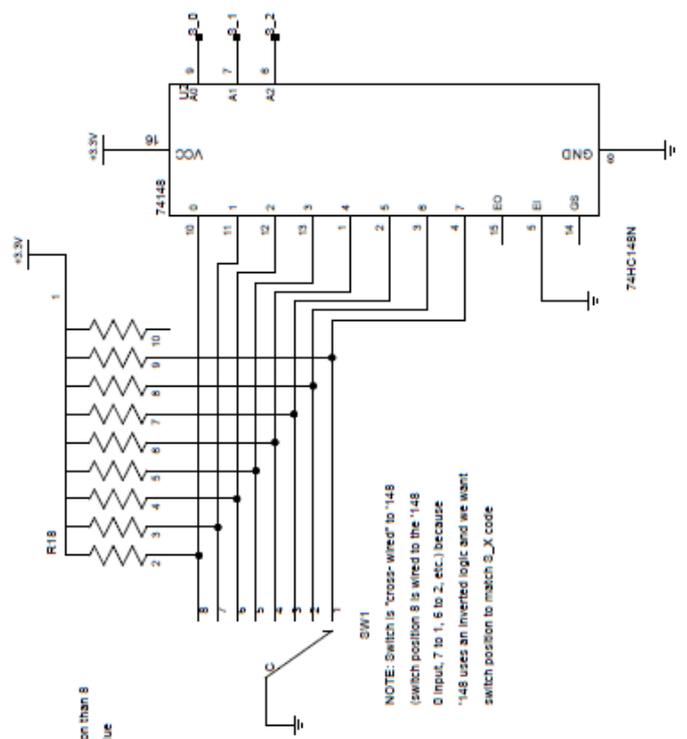
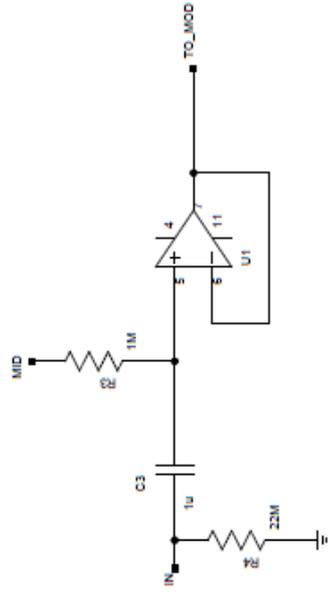
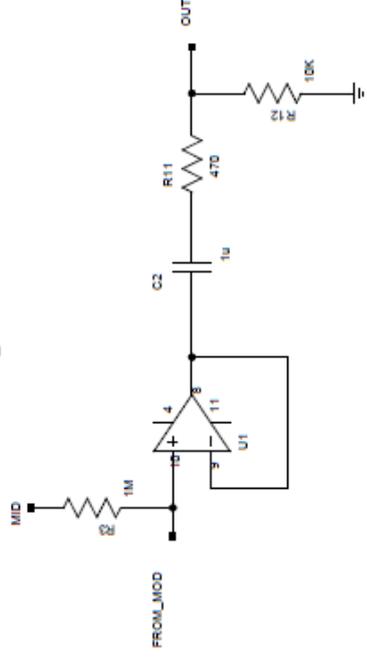
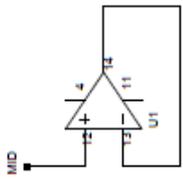
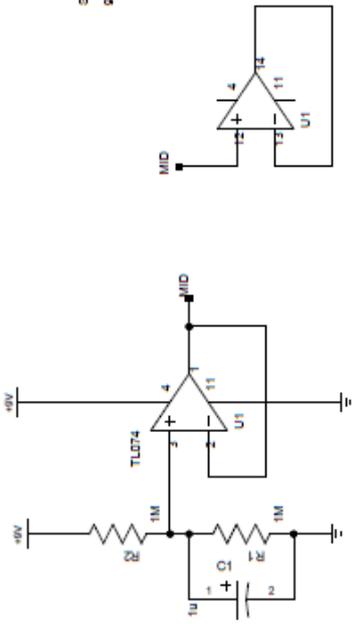
<sup>1</sup>. S0, S1 and S2 are pulled to GND through 10K resistors on the module board.

<sup>2</sup>. POT 0, POT 1 and POT 2 inputs should come from the wipers of the potentiometers, see example diagrams for program sets.

<sup>3</sup>. 3.3V power from module 3.3V regulator

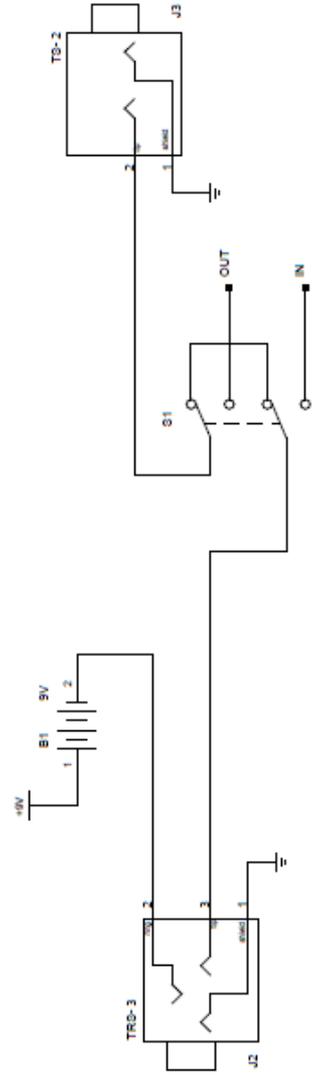


5KRLM-C8-G01 module, mono-in/mono-out guitar set

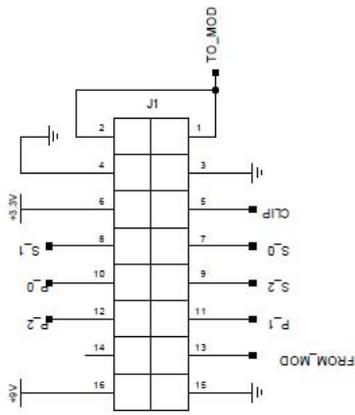
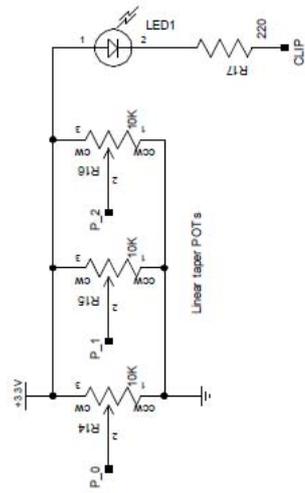


5-resistor packs are more common than 8  
10K to 20K value, non-critical value

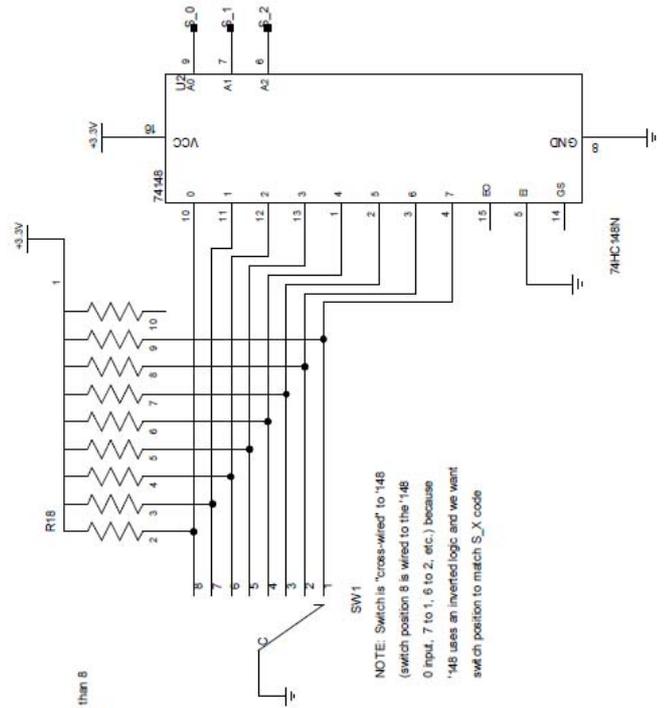
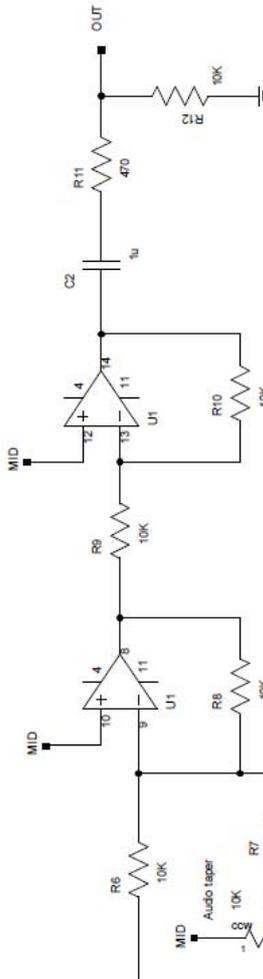
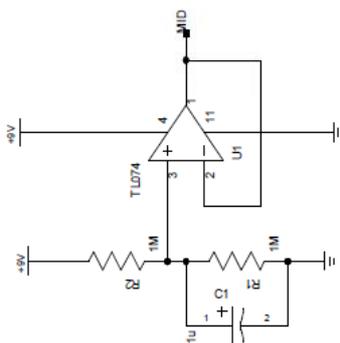
Single pole 8-position switch,  
i.e. C&K A1251ERIN2Q



# Mono In/ Out mit Mix



SKRM-C8-R01 module, mono-in/mono-out  
reverb and delay set



9-resistor packs are more common than 8  
10K to 20K value, non-critical value

Single pole 8-position switch  
I.e. C&K A125 (RNZQ)

