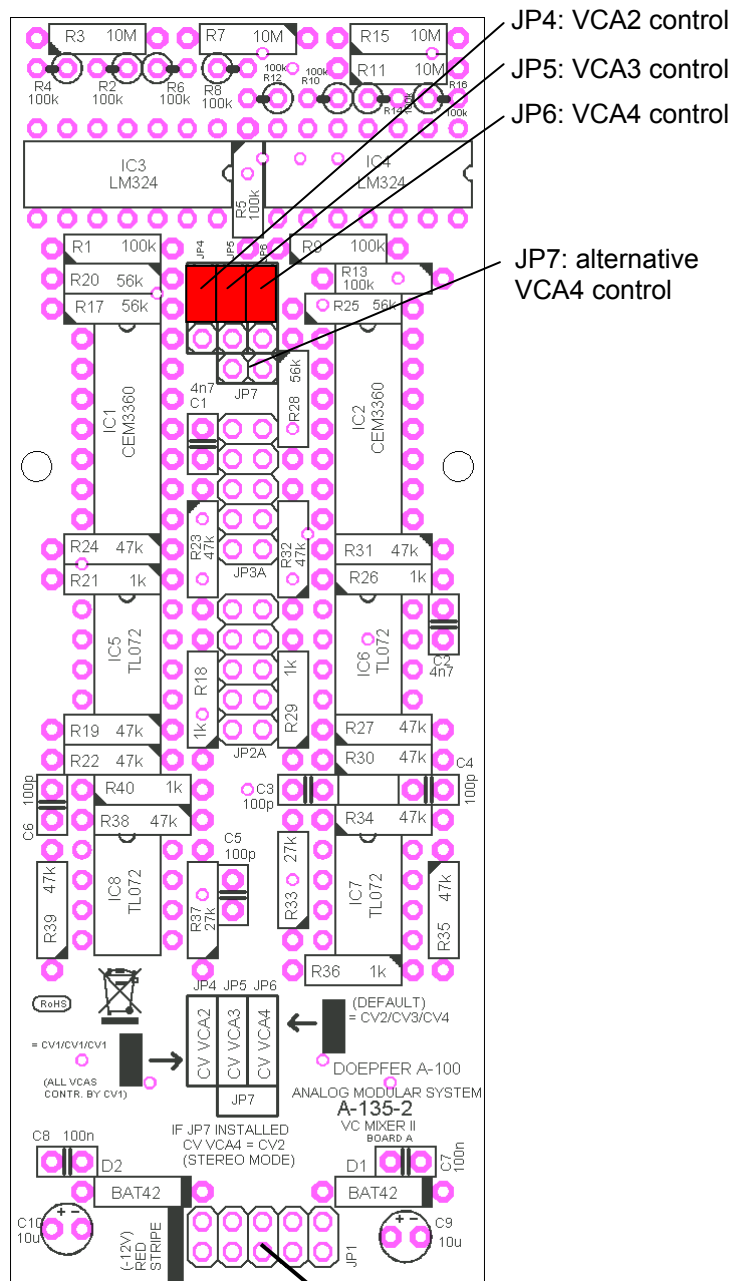


# DOEPPFER MUSIKTECHNIK GMBH

## A-135-2 Quad VCA / Voltage Controlled Mixer

### Position and function of the jumpers and connectors Board A



Bus connector  
(colored stripe left)

The pin headers JP4, JP5, JP6 and JP7 are used to determine the control voltages for the VCAs 2-4:

**JP4: VCA2 control**

jumper in upper position → VCA2 is controlled by CV2 (factory setting)

jumper in lower position → VCA2 is controlled by CV1 (in this case CV2 does not affect VCA2)

**JP5: VCA3 control**

jumper in upper position → VCA3 is controlled by CV3 (factory setting)

jumper in lower position → VCA3 is controlled by CV1 (in this case CV3 does not affect VCA3)

**JP6: VCA4 control**

jumper in upper position → VCA4 is controlled by CV4 (factory setting)

jumper in lower position → VCA4 is controlled by CV1 (in this case CV4 does not affect VCA3)

**JP7: alternative VCA4 control**

jumper installed → VCA4 is controlled by CV2 (used for "Stereo" mode)

In this case the jumper on JP6 has to be removed !

~~Upper position jumper settings~~  
Remark: under all conditions VCA1 is controlled by control unit 1.

This is the standard configuration:

- JP4, JP5 and JP6 are installed in the upper position
- no jumper is installed on JP7

In this case each VCA has it's own control unit.

"Stereo" configuration:

- JP4 is installed in the upper position (VCA2 is controlled by CV2)
- JP5 is installed in the lower position (VCA3 is controlled by CV1)
- JP6 is removed
- JP7 is installed (VCA4 is controlled by CV2)

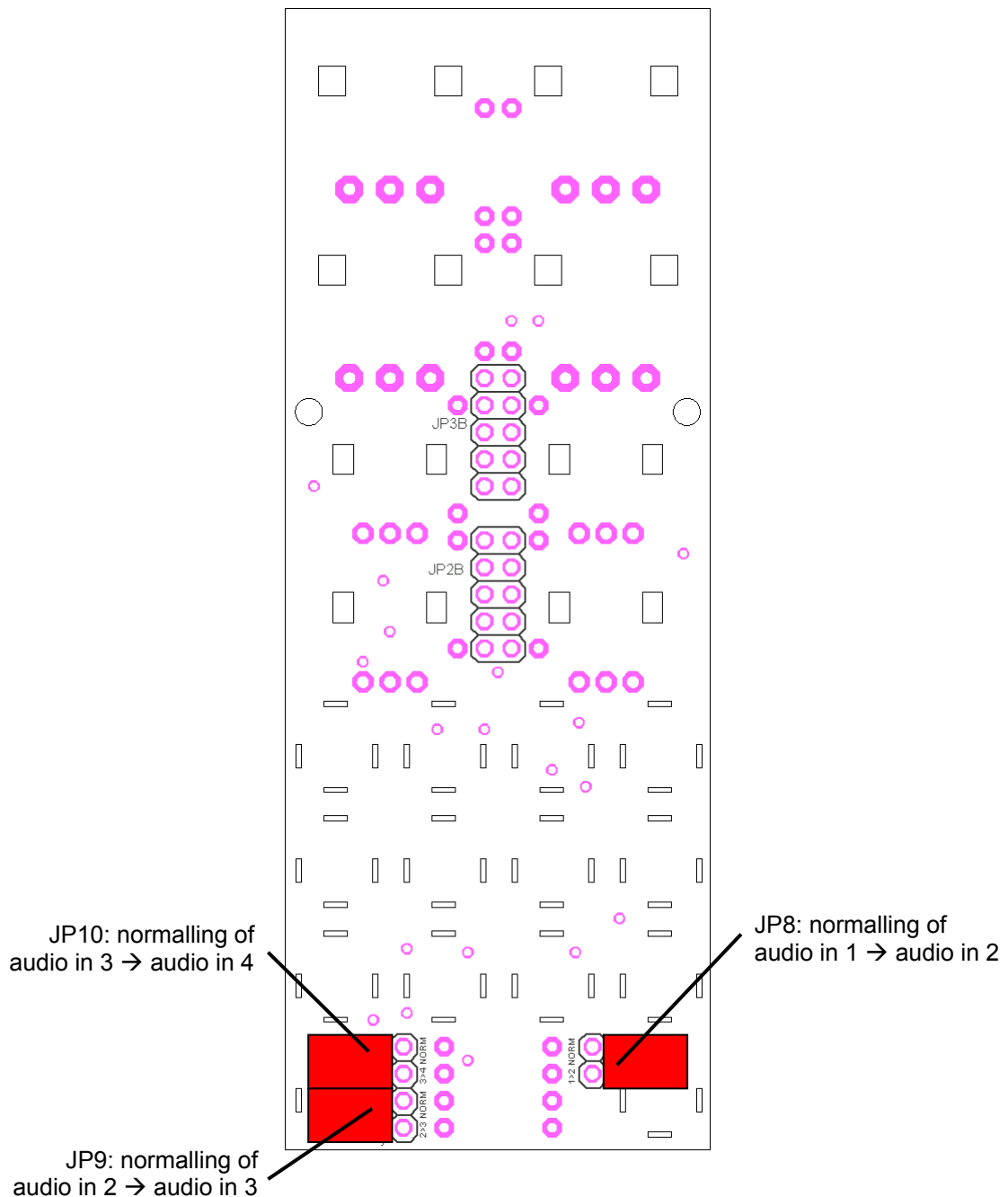
In this configuration VCA1 and VCA3 are controlled by CV1, VCA2 and VCA4 are controlled by CV2. The control units 3 and 4 have no meaning in this configuration.

Special configuration (all four VCAs are controlled by CV1):

- JP4, JP5 and JP6 are installed in the lower position
- no jumper is installed on JP7

In this configuration all four VCAs are controlled by CV1. The control units 2, 3 and 4 have no meaning in this application. This configuration is used when four different audio or control signals have to be controlled simultaneously (e.g the level of four VCOs, four LFOs, four envelope generators and so on). It's the same function as the obsolete quad VCA module A-132-2.

**A-133-2 Quad VCA / Voltage Controlled Mixer**  
**Position and function of the jumpers and connectors Board B**



The pin headers JP8, JP9 and JP10 may be used for the normalling of the input signals.

**JP8:**

when installed audio in 1 is normalled to the switching contact of the audio in 2 socket

**JP9:**

when installed audio in 2 is normalled to the switching contact of the audio in 3 socket

**JP10:**

when installed audio in 3 is normalled to the switching contact of the audio in 4 socket

Application:

Distributing an audio or control signal to four different destinations with different manually and/or voltage controlled levels.

Factory setting: jumpers are not installed !