**Further documentation and troubleshooting**

To find helpful log files in support cases:
– Open the MusicCenter WebConfig.
– Click *Logs & Warnings*.

Please visit also our website for the latest documentation, videos and information:
http://www.trivum.com
http://service.trivum.com

**If support is needed**
Please contact your local trivum dealer or write to:
service@trivum.com

**Download links:**
trivum ServerAdmin Tool (Windows):
http://service.trivum.com/win-admintool

**How to update your trivum v8 to v9?**
http://service.trivum.com/v9-update

i     **Note:** The remote maintenance of all trivum devices is activated by default. For disabling remote maintenance:
– Open the MusicCenter WebConfig.
– Click *Basic Setup*.
– Uncheck *Enable trivum remote support*.

# 1. Unboxing

# 2. Mounting

① Power
② Line In (ext. Audio)
③ Volume (0-10 V Control)
④ Control In (5-24 V)

trivum
smart multiroom
**RA410**
2x 40 Watt
Audio Amplifier
www.trivum.com

Out A    Out B

Power    Line In    Volume    Control In
24V DC

① ② ③ ④

# 3. Configuration

Different configuration possibilities:
– Mono (Dim Actuator or potentiometer)
– Stereo

Combinable with other trivum products like trivum REG, trivum TouchPad or trivum Speakers.

Speakers
(mono/stereo)

TouchPad

NAS

Router

RA

# trivum ①
## smart multiroom
*We add music to your home*

## Quick Installation Guide for RA410

trivum technologies GmbH
Eierstraße 48
70199 Stuttgart
info@trivum.de
www.trivum.de
www.facebook.com/trivumtechnologies

# Quick Installation Guide for RA410

**Required components for installation:**
– 24 V DC power supply with at least 4 A
– speakers with 4 or 8 Ohms impedance

## 1. Mounting and connection

**1.1** Mount the RA410 on a 35 mm DIN-rail.

**1.2** Connect cables to audio speakers (check polarity) and power supply.
**Warning:** Double check power cable polarity before connecting! Wrong polarity may damage the device!

## 2. Operating modes

There are two different modes to operate the RA410: mono and stereo.

**Operating mode: Mono**
In this mode both channels work separately. The power amp switches on when
– the switching voltage at *Control In* is between 5 - 24V
– the voltage at the *Volume* input is ≥ 1V.

**Operation mode: Stereo**
In this mode both channels are connected via a wire jumper between *Control In On A* and *On B*. In result, the volume is controlled via the *Volume Input A (0-10V)*.

## 3. Configuration

The RA410 offers many configuration possibilities. In the following, three common configurations are described.

**Stereo configuration**
In this configuration the RA410 is connected to another trivum device (in this example: SC344 v2). The volume of the RA410 is operated via the *Volume Output* of the SC344 v2.
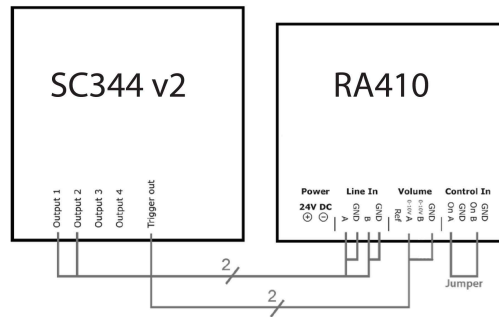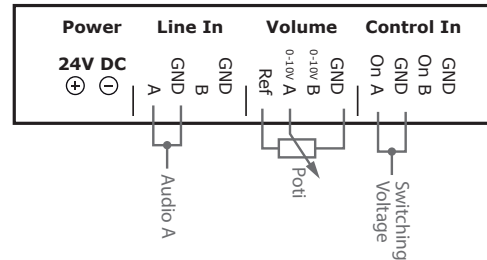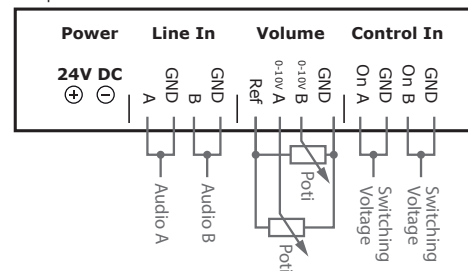


**Mono configuration with poti**
In this configuration the volume is operated via a potentiometer (poti).
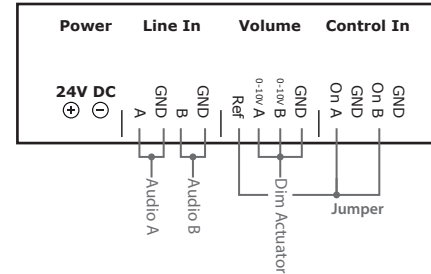**Note:** Input *Ref* = 10V DC LCO

Example: Mono Channel A



Example: Dual Mono Channel A/B



**Mono configuration with Dim Actuator**
In this configuration the volume is operated via a Dim Actuator (not included). The Input *Ref* is connected to both channels.

Example: Dual Mono Channel A/B



Example: Stereo with volume adjustment