trivum Software Update

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1. Which Main Software Versions are available?

1.1. V10: the production line

V10.x was first released in January 2023, and after 10 months of testing, it is the software used on delivery starting October/November 2023.

Please note that ordered devices may still come with V9 installed, as they were stored on stock this way. If you like, you can update then to V10 immediately, in the setup.

V10 is a full software rework, with new features:

- USBC audio connections. Send audio between multiple SC344m/SC311m devices by cable.
- Connected Spaces. Combine several zones to play the same music, without grouping.
- Source Mixes. Combine several line inputs into a mix.
- Microphone Mixer. Mix microphone sound into a zone's current music.

Compared to V9, functions in the setup got moved or renamed. Read full details under https://www.trivum.com/trivum/docs/en/mcenter-manual.html#config-changes-v10

As it is now, V10 and V9 are actively maintained in parallel, so if you read the V10 changelist

V10 MusicCenter changelist

also scroll down a bit to the V9.x section, as you may find further entries there which are valid for V10 as well.

trivum Touchpad software for V10 line now shows version 10.01.

the trivum ServerAdmin tool for Windows V1.48 will offer update channel "10" by default.

1.2. V9: the archive line

V9.x has most of the features of V10, and it is an intense tested and proven software. All general (non-v10 specific) bug fixes will be done in V9 as well, but it can happen in the future that (larger) features will be added to V10 only.

V9 MusicCenter changelist

1.3. V8: device control legacy

V8.x is an old software line, which is no longer maintained. It is kept by some customers only for legacy device control, which is no longer supported since V9.x. Upgrading from V8 to V9 is highly recommended, as features like web radio support degrade more and more with V8.

V8 MusicCenter changelist

1.4. trivum Touchpad software versions

Touchpads showing V3.x as their version belong to the V9.x and V10.x MusicCenter software line. Touchpads showing V2.x as their version belong to the V8.x MusicCenter software line.

Touchpad changelist

2. Upgrading from V9 to V10

Make sure you have MusicCenter software V9.75 build 16881 or higher.

If you have Touchpads make sure they have software 3.10 build 16881 or higher. If this is not the case, run a normal V9 update first. Then:

- go into the web configuration under trivumip/setup
- make a backup of your configuration under: System / Backup and Restore
- then go to: System / Software Update / Master
- set the checkbox: Use V10 software. a V10 version will be offered.
- in Action, type 'yes'.

After everything was updated, you may have to do a full browser reload by Shift+Reload.

About Touchpads: currently Touchpad software for the V9 and V10 line shows the same version, as it has identical features. You will only see a small note "v9 line" or "v10 line" under Info / About to distinct the two update lines.

2.1. Downgrading from V10 to V9

Should you see a need to downgrade from V10 to V9 then:

- go into the web configuration under: System / Software Update / Master
- check "use V9 software"
- in Action, type 'yes'.

After downgrade, carefully check your configuration. If you see errors you may go to: System / Backup and Restore, and jump back to a configuration snapshot, which was created automatically on upgrade. Alternatively, use the config backup file you created before upgrade.

3. Updating from V8 to V9

Compared to V8, V9 provides a fully new user interface which is more suitable for mobile clients, more support for audio content, like web radios and audio services, fully reworked and intuitive setup by web browser, and too many new features to list them here.

The Touchpad user interface also was fully reworked, with new icons, new services and smoother operation.

- * Multikeys
- * virtual devices in the RTI driver
- * C4: device control no longer supported (menu devices)

3.1. Preparing the update to V9



Please make a backup of your master device configuration before the upgrade.

To do so, select in the master web configuration: System / Backup&Restore.



Your V8 device must have software version 8.78 or higher.

Connected Touchpads must have version 2.14 or higher.

If not, make sure to check "Include Touchpads in Update" when updating the master by web configuration.

3.2. Update via web browser

- Open a web browser
 - Enter the IP address of your trivum Multiroom Master device, e.g 192.168.1.75/setup
 - Click on 'Basic Setup'
 - Check 'Use expert mode for configuration'
 - Enter the following at 'Advanced options': channel v9 beta

Settings changed successfully.		Basic setup of the system. It depends which trivum product
systemSetup		you are using and in which mode (installer/professional)
Basic Setup	KNX Setup Integrity Warning	IS
	Outly	
Name	alue	Help
Pasia softings for this installation		
basic settings for this installation	Europe Dealle	Canality your himanana
lime zone	Europe/Berlin	Specify your timezone
WebConfig language	en	Specify your language
System Time	13:53	Current system time. Please refresh before update.
System date	29.07.2016	Current system date. Please refresh before update.
Timecorrection per day	-5	Time correction in seconds per day. At 23:15 each day the clock will be adjus
Action order for TouchPads	1:defSources 2:zoneActions 3:keypa	Specify what order should have the TouchPad sidebar actions
Use automatic date/time update		Should the current time&date be managed by using NTP service ?
Frotect this website with access control?	•	Should this website be protected by asking for Useria & password ?
admin password for website	none	Current password to protect this website.
Delay time for snooze	5	Deray (in minutes) after which an alarm triggers again (shoozes)
Enable trivum remote configuration support	×	Should trivum be able to connect to your system upon request ?
Use alpha/beta versions for software updates	×	Do you want to be able to install software which is in alpha/beta state ?
Use expert mode for configuration	×	In expert mode more advanced conliguration options are available
Hide system setup in webrouch clients		Allow extended characters is zene names, actions at
Show EM Tuper as source	•	Allow extended characters in zone names, actions etc.
Description for Tuner Source	Ell tunor	This name will be used in TouchPads in the action list to start the tuner
Description for Streaming Source	Principal	This name will be used in TouchPade in the action list to start the toner
Description for Streaming Source	Sueam	Depresented See Zenes / device / Linels settings instead
Support PTI	Linein	Eachlos the trium BTI driver to central this sustem
Epoble InStreamer Multicost	•	Enables the thrum R in driver to control this system
Enable inducation multicast		Enable multiple use without groups. May cause high network trainc.
'AirPlay' settings for this installation		
Support AirPlay	•	Specify whether incoming streams should be accepted
AirPlay password		Optional access password. Requires Admin / Quick Restart after change!
Delay volume increment with AirPlay	•	Should volume up be delayed for extra safety ?
Show trivum: #ip in input names	₹	Show trivum and IP number part prefix in input names?
AirPlay input timeout	30	Stop AirPlay receive automatically if no input over n seconds
Input announcement repeat	180	Send input name announcements every n seconds (0 = off)
'Spotify Connect' settings for this inst	allation	
Support Spotify Connect (Beta)		Specify whether incoming streams should be accepted
'Expertmode' settings for this installa	tion	
Advanced ontions	channel v@ heta	Ontions for service (e.g. tracenlaver-n tracesconner-n tracentn-n)
Daily automatic system rooted		Restart server and Touchnade once per day?
Daily automatic system restart time	03:00	Note: NAS auto rescan time is 00:00
Lise static IP instead of DL/OP	00.00 IZ	Specify whather a fived manual IP or DHCP should be used
Actuator fived IP	102 169 1 196	Current IP address of the AudioActuator
Cotoursu ID	102.100.1.100	Current IP address of ateway (has to be in the same subset on AudioActus
Gateway IP	192.108.1.1	Content in address of gateway (has to be in the same subfiel as AudioActua

• Click 'Admin' \rightarrow 'Check for software updates'

mart	t multiroom					Admin	trivum	Support	Overview	Develo
rivu	m Multiroom Set	tup Tool V8.74 - S	NR 2079.31	- AudioDev	vice as Ma	stei	Restart maste	ar.		
		General setting	s and inform	nation fro	m your t	rivu bo b	Restart all oth	ter slave audio d	evices	
	InStreamers	Basic Setup	KNX Setup	Warnings	Integrity	9	Check for soft	ware updates	6	
	Zones	Information					Set mode to 'I	installer Slave'		
	Zonegroups	Serial Number	2079.31				Advanced		• •	
	Control units	Software Version Subsystem Version	V8.74 build 1178	2 - compiled Ju of Jul 18 2016	ul 18 2016 07 09:48:21	/:51:5	Snapsnots		,	
	Database & Media	Architecture	8 (arm8)							
2		current systemtime	Current time is 1	urrent time is 13:54:01 / 29.7.2016						
NR	KNX Displays	time active	The system has	been active for	13 minutes a	and 47 sec	conds			
3	KNX Events	systemIP	The system IP is	The system IP is 192.168.1.186 (static)						

- Confirm the following question with 'YES'
- Optional: Check 'Include TouchPads in Update'

• Enter 'yes' at 'Should the software be updated'

Image: Constraint of the state of the s
Name Implementation Yalue Help Installed Software-Version 8.74 build 11782 This is the version installed on this hardware Attention You enabled Alpha Channel #318 for updates. 'Alpha' versions might not be as stable as 'release' versions.
Installed Software-Version 8.74 build 11782 This is the version installed on this hardware Attention You enabled Alpha Channel #318 for updates. 'Alpha' versions might not be as stable as 'release' versions.
Attention You enabled Alpha Channel #318 for updates. 'Alpha' versions might not be as stable as 'release' versions.
Available Software-Version 9.04 Build 11795 of 2016-07-20 14:3; Software version available for download
Changes in update daily build Short description about what the update contains
Update release date 2016-07-20 13:05:34 (channel 318) Date when the update has been released
Free disk space 2392 mb An update will require about 180 mbyte free disk space
Recent Update Status 015 update success with aktor reboo result of most recent update
Include Touchpads in Update 🔽 Also update 1 Touchpads. Oldest one has V2.13
Should the software be updated? yes Please enter yes' to update the software of this system

 \rightarrow The update process is starting immediately. After downloading the software update, the trivum device will restart to install the new software. This may take a moment.

A direct jump from V8 to V10 is not possible.

3.3. Updating trivum Touchpads from V8 to V9

If you run a music server upgrade from V8 to V9, connected Touchpads should be upgraded as well. If that fails in some cases, or you add a V8 Touchpad later, you have to run an update per Touchpad.

This can either be done by the ServerAdmin Tool for Windows (see below), or by web configuration in two different ways:

3.3.1. Update Touchpads by Musicserver web setup

Go into the web configuration of a trivum music server, into: System / Software Update.

- you will find a list: Touchpads in use. These are Touchpads connected to the Musicserver which are currently up and running. Click into any line, and you can run an individual update of a single Touchpad.
- with the latest Musicserver software, you will also find a list: Touchpads not bound to this master.

These are Touchpads not connected to the Musicserver. In special cases, like you got a V8 Touchpad which fails to connect to a V9 server, you can update it via one of these lines.

3.3.2. Update Touchpads in the Touchpad web setup

- go into the touchpad web configuration. in the line "Linked MusicCenter", enter the V9 musiccenter IP. you may get an XML error popup, but after a page reload you will see that the new IP was entered.
- go into the MusicCenter (V9) web configuration, under: Software Update. the touchpad should be listed, with it's old software version V2.x. click into it's line, then: Start update of this Touchpad.

3.4. ServerAdmin Tool for Windows

All trivum devices are configured via their IP addresses. We recommend to install the trivum ServerAdmin Tool to easily find out the IP addresses of your trivum devices. The ServerAdmin Tool lists all trivum devices and their IP addresses in your network. And it allows an easy update of your system. Please download and install it from here:

http://service.trivum-shop.de/share/Tools/Install-ServerAdmin.exe

After having installed the ServerAdmin Tool,

- 1. Open the ServerAdmin Tool.
- 2. Double-Click on the device you want to configure.
- → The Multiroom Setup Tool (Web Configuration) opens.



For later configuration, you can directly type the corresponding device IP address in your browser, followed by /setup

3.5. Update via ServerAdmin Tool for Windows



If you are running trivum with master and slave devices, please update only the master device. All slave systems will update automatically.



If touchpads are connected to the trivum master, device they will not update to the latest V8 automatically, but you must run the updates per Touchpad.

- 1. Start the ServerAdmin Tool
- 2. Select 'File' → 'Setup Channels'
- 3. Enter the following information:

Main Version:	9
Sub Version:	beta

e Help	
Setup channels	58
Exit	
ivum server in network:	



- Click 'OK'
 - → The list is updated and on column 'Available' you see 'V9'

P address of this comput	ter: 192.168	.1.128			
rivum server in network:					_
Туре	Serial	Version	Build	Available	Address
AudioBox1 Master	666.31	8.65 (8)	9469	9.01.10777	92.168.1.42
KeypadTouch	1066.18	2.36 (9)	10744	2.36	92.168.1.181
KeypadTouch	1111.18	2.36 (9)	10775	2.36	92.168.1.136
KeypadTouch	1141.18	2.35 (9)	10410	2.36	92.168.1.192
AudioBox1 Master	2040.31	9.01 (8)	10781	9.01.10777	92.168.1.180
AudioBox1 Master	2079.31	9.01 (8)	10781	9.01.10777	192.168.1.186
AudioPost Master	2172 21	0.01./01	10791	0.01 10777	102 169 1 101

Figure 6. Screenshot show available version

• Right-Click on your component to update and select 'Start softwareupdate'

trivum Server Adm	Change IP settings			
<u>F</u> ile <u>H</u> elp	Open in Web browser			
IP address of this comp	Restart device			
	Blink LED			
trivum server in netwo	Show attributes			
Туре	Start softwareupdate	ild	Available	Address
		_	0.01.10777	102169142
AudioBox1 Mast		59	9.01.10777	192.100.1.42
AudioBox1 Mast KeypadTouch	Set serialnumber	59 744	2.36	192.108.1.42
AudioBox1 Mast KeypadTouch KeypadTouch	Set serialnumber 1111.18 2.36 (9)	59 744 10775	2.36	192.168.1.181 192.168.1.136

Figure 7. Screenshot start softwareupdate

• \rightarrow After downloading the softwareupdate, the trivum device will restart to install the new software. This may take a moment.

4. Which Update channel to choose?

- Release: this is always a good compromise between getting the latest bugfixes and features, and proven stability over many systems.
- Latest: if you have a specific issue, or bug, and see in the online changelist that there is a fix since a few days, then you have to select this channel (also called Nightly Build). Otherwise you have to wait until the fix is promoted to Release, which can take a month.
- Archive: the oldest available software version, normally not used.

5. V8 to V9 update known issues

- Streamsource cards must have Firmware version V1.09 or higher
- Devices are not supported
- Wireless remote is not supported
- The list of TuneIn favorites can be empty.
 If actions like "play tunein favourite" have been defined before, they will still work, but when trying to create a new action the list of favourites will be empty.
 So you have to define your favourites again manually via the tunein search.
- C4: up to 6 StreamSource cards can be used with a single Q7 i686 board, beyond that a separate PC is required.

6. Pro Line V7 to V8 upgrade known issues

When upgrading a Pro Line system from software V7 to V8, the following things must be considered:

6.1. InputConnect card & OutputConnect card

- InputConnect card: IR out is no longer supported.
- OutputConnect card: IR out is no longer supported.

If infrared devices are controlled via an Input/OutputConnect card then this must be changed to an IR/RS232 adapter, which also has an infrared diode.

You can identify such configurations by:

- hardware: an IR cable is connected to IR out of a card
- software: within a device of type Basic/IR,
 - under overview: at infrared connection, instead of "not used" some input or output connect card is selected
 - $\,\circ\,$ under commands: you find commands of type "infrared"

6.2. KNX "Interface"

KNX "Interface" is not supported with V8, only KNX IP "Router".

- KNX interfaces have only one IP address and communicate with only one (!) client at the same time.
- KNX/IP router on the other hand have an additional IP address it's called Multicast IP address. With the Multicast IP address KNX/IP router can communicate with more than one client at the same time. These capability is a prerequisite for a functioning trivum KNX system.

If your KNX gateway does NOT communicate via a multicast address like 224.0.23.12 then it must be

replaced by a real IP router, e. g. Siemens N146. Or update to V9, which supports KNX Interfaces again.

6.3. KNX objects

KNX objects configured at the trivum server may no longer work and may have to be reconfigured, especially

- scene handling (Addons / KNX / scene save)
- Climate control (Addons / KNX / Climate)
- lights that use 4-bit dimming
- shutter with preset handling

6.4. Macro steps

Macro steps will be emptied and must be reconfigured. Under V8 the macros with their step names will still be visible but all steps will be empty due to a different implementation of the macro engine. So each step must be reconfigured.

6.5. Cover art

Existing cover art will no longer work, requiring a full reset and rescan of the music database after the upgrade.

See Database Reset and Database Rescan for instructions. The reset is also required to avoid low disk space, due to old cover art files not being cleaned up.

6.6. FMTuner cards

Very old FMTuner cards with Firmware "2.08" cannot be used (are not detected) and must be replaced by a newer card. The newer cards actually show a Firmware version of "1.x". This is relevant only for a few systems.

6.7. StreamSource card & CPU load

The CPU load per StreamSource card is higher with V8, using about 12 percent (V7: 8 percent) per card. Up to 6 StreamSource cards can be used in one C4, beyond that a separate PC must be used.

6.8. V9 to V8 downgrade:



This is not recommended as you may loose configuration.

If it is really required do this:

• Select File / Setup Channels in the ServerAdmin tool

- Enter: Main Version: 8 and Sub Version: beta
- then Click OK.

After downgrade, check the configuration. If it's damaged then upload the V8 configuration backup.

6.9. Web Configuration changes from V9 to V10

Read more on that in the MusicCenter manual:

Configuration Changes from V9 to V10