RTW

EYES ON YOUR AUDIO

Release Notes EN
RTW TouchControl 5 Firmware 1.1

Software version: rtw-tc5-fw_1.1.2.update

Build date: June 3rd, 2024

⚠️ **ATTENTION! –** If you are updating from a version prior to version 0.9.25, this update will BREAK existing presets.

⚠️ **ATTENTION! –** If you want to power the unit off, please make sure that it is fully running before disconnecting power.

⚠️ **NOTE –** This version introduces a slightly new way to handle network connection method, so please read the notes below carefully.

Release Notes Firmware 1.1

In a Nutshell

- This release is a significant update to the TouchControl 5.
- Licenses are now history, and all features are available.
- We have increased the number of inputs and outputs in the monitoring section from 2 to 4.
- There are significant improvements on Calibration, including the ability to import and export calibration settings.

Device

New Features

Connection method	• **Link-Local**. Before: When you selected DHCP and in case no DHCP server was found, TouchControl 5 would automatically fall back to Link Local (Local IP address, typically starting with 169.254.n.n.). On a few occasions we saw that the fall-back method caused issues, so now, if you want to run Link-Local, you will need to actively select it. **Be aware that when you update to this version, TouchControl 5 might have another IP address so if you find you can't connect to it from the WebApp, check its IP address.** • **100 Mbit/s**. Requires restart. Normally, TouchControl 5 operates at 1 Gbps, but in some very complex setups, customers have asked to be able to force it to run at 100 Mbps.

Updates

Rotary knob	• Turning the knob could modulate the Downmix PPM. Fixed. • Pressing the knob could cause Level value increment. Fixed.

Device – Calibration

New Features

Signal Generator	• Signal = **XOver**: Select XOver to generate a sine tone at the XOver frequency. Very useful when calibrating LFE channel(s).
Settings	• Weighting = **Auto**: In this mode, the Weighting is automatically set to A if you calibrate main speakers and C if you calibrate the LFE.
Settings > Source	• Here you can directly set the source for Calibration measurement. Options are Internal Mic, XLR and all the Dante channels.
New parameter	• **Edit**. Deals with the use case where user wanted to edit the value of one speaker while still listening to other speakers. Two options: **Selected**: This is the option you know. You will be editing all selected speakers (green).

	Solo: You can select speakers (making them green, playing). However, the last selected speaker will turn yellow, and that's the one you are editing. Use case: Calibrating a 5.1 setup you want to listen to all speakers while adjusting the parameters only of the LFE: Double tap your main speakers to select them all. Then tap the LFE speaker. All speakers are now playing and you are editing only the LFE. That's it.
Delay	• Negative Speaker Delay. Speaker delay can now be a negative value. In the background, this happens by adding a positive gain to the rest of the speakers. Handy in cases where you specifically work with one speaker, for instance your center speaker.
Rotary knob	• Push the knob to deactivate all speakers.
Exiting	• Confirmation Dialog when exiting Calibration. Deals with the use case where you'd accidently hit cancel.

Updates

- Signal Generator sound was crackling. Fixed.
- SUB is shown even though there is no LFE channel and no Bass Management. Fixed.
- Calibration Output B does not work as expected. Fixed.
- After doing the calibration and returning to the preset, Volume should be restored. Fixed.
- Input channels should be muted while calibrating. Fixed.

WebApp – General

Updates

Menu slider behavior	• With some browsers, the slider (for instance Monitoring > DIM Level) was behaving weirdly when dragged outside the browser area. Fixed.

WebApp – System

New Features

Volume Unit	• **Absolute**: The unit is absolute from a scale from 0 dBA to 100 dBA.
	• **Relative**: The unit is relative to your reference volume. If you calibrate to 78 dBA, 0 dB = 78 dBA.

Updates

• The Licenses tab has been removed. All features and functions are freely accessible.

WebApp – Monitoring

New Features

In- and Outputs	• The number of inputs and outputs is extended to 4. To make use of this, you need to create a new preset, because the setting of input and output formats are done in the setup wizard.
	• Naming of inputs and outputs. You can now enter a name for your inputs and outputs. This is done in Monitoring > Input Settings / Output Settings.
Monitoring View	• Buttons to individually recall inputs and outputs: one button for each. We have decided to keep the previous toggle selector, and all buttons can be used simultaneously. Input/output recall buttons can be placed in the side bar so you can recall them from pages other than Monitoring, for instance from the Metering page.
Volume Mode	• **Background**: If you have calibrated your speakers individually to, say 78 dBA, each speaker will play at that level. However, when you play with more speakers, the total level in the room will be higher. Obviously, if you use a 7.1.4 channel layout, the volume in the room will add up, and the difference between one speaker and all speakers will increase. To cope with that, we have made an algorithm that compensates for the difference, so the volume you set will much more precisely be what the level in the room is.
	The Volume Mode parameter has two options: **Per Channel**: This is the one you know. If you have calibrated

each individual speaker to 78dBA, and you set volume to 78 dBA in this mode, each speaker will play at 78dBA.
Total: The total volume in the room is calculated and the volume played out by the speakers is compensated so the volume in the room is 78 dBA. Important to say: the feature is based on an estimation and will depend on the content you are playing.

Monitoring > Edit > Output Settings	• **Import** resp. **Export**. Output settings (calibration) can now be exported to a file and imported from a file. Makes it so much easier to handle calibration across presets. A nifty thing is that the import feature is downwards compatible. So, say you have calibrated your 7.1.4 speakers, but you want to build a stereo preset using the same calibration values for left and right. Just import the 7.1.4 preset, and the import feature will figure out that you only need the values for left and right - and applies them.

WebApp – Metering

Updates

Moving Coil	• Moving Coil in VU mode is missing the Headroom parameter (PPM parameters). Fixed.
	• Moving Coil in VU mode is missing the Lead parameter (MC instrument). Fixed.
PPM	• PPM Split mode shows relative loudness scale even though I have selected an absolute scale. Fixed.

WebApp – Routing

Updates

- Demo mode. Local I/O (MIC in, XLR in, Line out, Phones out) are now activated in demo mode.
- In case of large speaker formats, such as 9.1.6., adding both Monitoring and Metering, the routing page would complain. Fixed.

WebApp – Presets

New Features

Startup View	• Allows you select which view to startup with after having loaded the preset.
Phones Gain	• Allows you to set a gain offset for head phones output.
Re-load preset	• Rather than loading another preset, then loading your preset, you can now just press a preset to re-load it. Can't believe we haven't done this before :-)

Updates

Load Preset	• If, for some reason, you are trying to load an invalid preset, TouchControl 5 will reverse to the previous loaded preset rather loading the default preset.
Amount of presets	• When the maximum number of presets (32) has been reached, New, Duplicate and Import from File should not be available. Fixed.
Edit Applications	• Simplify the bottom bar, reduce to: New, Edit, View, Delete. Fixed.

WebApp – View Editor

Updates

	• Graphical issue with 4.0, 5.0 and 6.0 layouts. Fixed.
Moving Coil	• After change of Arrangement, the UI is not updated correctly. Fixed.

WebApp – Graphical Adjustments

Updates

- The RTW Logo was too large, too bright. Fixed.
- Speaker symbol's red color was too dark, should be brighter. Fixed.
- On the device the buttons in the Side Bar were not fully aligned. Fixed.

Important Notice

Trademark	All products and company names contained herein are ™ and ® of their respective holders.
Copyright	RTW GmbH & Co.KG Am Wassermann 25 | 50829 Cologne | Germany
Support	Visit www.rtw.com for support information