

Release Notes EN

RTW TouchControl 5 Firmware 1.2.2

Software version: rtw-tc5-fw_1.2.2.update

Build date: September 5th, 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.

Release Notes Firmware 1.2.2

In a Nutshell - Quite a significant update

- We have increased the number of EQ-bands from 4 to 8.
- You can now assign an action to the rotary knob press.
- You can now set how Solo Mode works and you can manually set downmix coefficients.
- We have added some more controls to the device menu, hereunder Off, Restart and Demo mode.
- Significantly, we have implemented the latest version of Dante Embedded Platform, aligning TouchControl 5 with the latest Audinate developments.
- We have added a gain trim for input sources, the Loudness NUM instrument can now be custom taylorred.
- There is a number of bug-fixes, hereunder an issue with the Nordic scale.

Device

New Features

- Pushable Rotary Knob**
- Rotary Knob Press Action. Can be set to None, Mute, DIM and Recall Reference Volume. It can be set per preset, so you find this setting at the main page of your preset.
- Preset**
- New **Default** preset. Now that we don't have licenses anymore, it makes sense that the default preset includes much more features. You can't edit the preset, but with the WebApp you can duplicate it and edit the duplicate.
- Preset menu**
- New button **Off**: You can now turn the device off. On the device, touch the **Preset <Name>** button below right, then in the Preset menu the **Off** button. Press the knob to turn it back on
 - New button **Restart**: Touch the button to restart the device.

Updates

- Presets**
- In some cases, buttons were not displayed on the device even if they existed in the WebApp. Fixed.
 - Presets with very large setups could cause UI issues. Fixed.
- Demo mode**
- The Demo mode was moved from the WebApp to the device itself. In the Preset menu, touch the **Demo** button, the demo song will be played on channels 1 – 12 and the signal visualized on the screen.
 - Implementation of the the latest version of DEP: 1.3.3.5.

Device – Calibration

New Features

- Equalizer**
- The number of EQ bands per speaker is increased from 4 to 8 bands.
Please note –
 - Be aware that if you work with an existing preset, some bands might not be visible. That's because they might be hidden behind other bands. Simply adjust the frequency to show them.
 - If you create a new preset, the default frequencies are distributed equally over the frequency spectrum.
 - Apply reference offset (-21dB) on the generated reference output in the monitoring application.

Updates

- When the generator is activated in Sine mode it plays the XOver frequency instead of 1 kHz. If you change it to something else and then back, it reverts to 1 kHz. Fixed.
- The selected speaker was not displayed correctly on the calibration page. Fixed.

WebApp – General

Updates

Startup Preset

- We have set it to **Last** and removed the option. In the future we might introduce the full version where you can select which preset to start with.

WebApp – Appearance

Updates

Application Marker

- The color mark of the applications should be off. Fixed.

WebApp – Presets

New Features

- New **Default** preset. Now that we don't have licenses anymore, it makes sense that the default preset includes much more features. You can't edit the preset, but you can duplicate it and edit the duplicate.
- On the Preset menu page, we added a link to the RTW web page **Presets for TouchControl 5** for easy access to more presets.

Updates

- The text "Find more presets at rtw.com" was too small if displayed on a retina display. Fixed.
- In some rare cases, presets could not be loaded or deleted if they contained certain special characters. Fixed.
- We have added an "In Progress" screen that appears when handling presets.

WebApp – Routing

Updates

- In some cases, the Dante® channel names were not displayed correctly in the routing page. Fixed. In case you change a Dante® channel name (in Dante Controller™), you need to re-load the WebApp to display the changes.

WebApp – Application Monitoring

New Features

Solo Mode

- The inputs now have a **Gain Trim**, allowing you to align inputs for source comparison.
- You can now solo more than one speaker:
 - **Exclusive:** Only one speaker can be soloed, all others muted.
 - **Multiple:** Multiple speakers can be soloed, the rest will be muted.Double-tap on one of the soloed speakers will un-solo all speakers and activate them again.

Downmix Coefficients

- You can now set the downmix coefficients for stereo and mono downmix manually.

Updates

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|-----------------------------|---|
| Bass Management | <ul style="list-style-type: none">• If Bass Management is Off, there should be no LFE in the UI. Fixed. |
| Target Mono | <ul style="list-style-type: none">• We removed the option All w/sub. In setups with many speakers this could lead to a massive sound pressure, so we'll be on the safe side and remove the option. |
| Output Speaker names | <ul style="list-style-type: none">• There was a graphical alignment issue when selecting LFE. Fixed.• Speaker names adjustments according to the Dolby Atmos naming. LSR should be LRS etc. Fixed. |
| Edit menu page | <ul style="list-style-type: none">• Graphical adjustment – the Input Settings and Output Settings buttons have been moved down. Fixed. |

WebApp – Application Metering

New Features

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|-------------------------|---|
| Numeric Loudness | <ul style="list-style-type: none">• Now you can decide which parameters to show rather than always showing all of them. |
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Updates

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|----------------------|---|
| PPM/Loudness | <ul style="list-style-type: none">• The absolute scale did not work correctly with some instruments. Fixed. |
| PPM | <ul style="list-style-type: none">• The Nordic scale was offset. Fixed. |
| LRA | <ul style="list-style-type: none">• LRA default mode should be Magic. Fixed. |
| VU | <ul style="list-style-type: none">• The settings for VU were active only after preset re-load. Fixed.• The red headroom lines were not correct in some cases. Fixed. |
| Moving Coil | <ul style="list-style-type: none">• In some cases, labels were not aligned correctly. Fixed.• The scale was completely red. Fixed. |
| Headroom Ref. | <ul style="list-style-type: none">• Headroom Ref. and Headroom split into two different parameters. Fixed.• Headroom Ref. has no unit, should be dB. Fixed. |

WebApp – View Editor

Updates

- In some cases, the UI would display **Too Small** even if there was space for the instrument. Fixed.

Release Notes Firmware 1.1.2



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

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 accidentally 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.

Monitoring View

- 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.
- 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

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- Amount of presets** loading the default preset.
- 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

- Moving Coil**
- Graphical issue with 4.0, 5.0 and 6.0 layouts. Fixed.
 - 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.

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