

Release Notes EN

RTW TouchControl 5 Firmware 1.3.9

Software version: rtw-tc5-fw_1.3.9.update

Build date: January 17th, 2025



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 1.3.9

In a Nutshell - Quite a significant update

- This version introduces **dialog gated loudness** measurement, supporting dialog-based delivery specifications, which are aligned with Netflix delivery standards.
- With dialog gated loudness measurement, a gate that ensures that loudness measurement is only active when dialog is present in the audio.
- There are two new Loudness Types: **Dialog Gated** and **Netflix**.
 - The **Dialog Gated Loudness Type** offers all dialog gated settings: Target Level, Threshold, Absolute Threshold, Relative Threshold and selection for Dialog Channels.
 - The **Netflix Loudness Type** offers only the parameters that are relevant for being compliant with the Netflix delivery specifications.
- We have updated the menu structure on the device.

Device

New Features

- New menu structure**
- The previous menu structure was getting unlogical. We've introduced a **Settings** tab that includes settings related tabs, including Network settings.

Device – Calibration

New Features

- EQ**
- Two 1st order filters have been added to the calibration EQ: **HPF 1st** and **LPF 1st**. These are very useful when using the Dolby Atmos Music Curve.

Updates

- Pink noise has to be correlated. Fixed

WebApp – Presets

New Features

- Recall**
- With clicking on the button **Recall** in the WebApp, you can now recall the selected preset on the device.

Updates

- In rare cases, if the preset name included a space, the preset could end up being corrupted. Fixed.

WebApp – Application Monitoring

New Features

- Reference Unit**
- dBA, dBC. Sets which reference unit to show on the UI.

WebApp – Application Metering

New Features

- Dialog Gated Loudness Measurement**
- Supports dialog-based delivery specifications such as those from Netflix.
 - With dialog gated loudness measurement, a gate that ensures that loudness measurement is only active when dialog is present in the audio.
 - There are two new Loudness Types: **Dialog Gated** and **Netflix**.
 - The **Dialog Gated Loudness Type** offers all dialog gated settings: Target Level, Threshold, Absolute Threshold, Relative Threshold and selection for Dialog Channels.
 - The **Netflix Loudness Type** offers only the parameters that are relevant for being compliant to the Netflix delivery specifications.
- Dialog Detector**
- A new instrument that indicates when dialog is detected.
Please note - Be aware that there is a delay from dialog is detected till the dialog detection instrument shows it. This is not due to lack of DSP resources, but rather a result of how the dialog detection works (it needs time to determine if a certain section of audio contains dialog or not).
- Loudness Num**
- Updated with the new dialog gated loudness numbers:
 - S Dialog: **SD**. Short-term loudness, dialog gated.
 - I Dialog: **ID**. Integrated loudness, dialog gated.
 - LRA Dialog: **LRAD**. Loudness Range, dialog gated.
 - Dialog Amount: **D**: A number indicating the percentage of audio that contains dialog.
- LRA D Instrument**
- Shows LRA based on dialog gated loudness measurements.
- MSI D Instrument**
- New instrument for showing Momentary, Shortterm and Integrated Loudness based on dialog gated loudness measurements.

Important - In order for the new instruments to show in the View editor, you need to set Loudness Type to either **Dialog Gated** or **Netflix** specifically. Only instruments that make sense for a given loudness type will be displayed in the View Editor.

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- Colors** • Bar Colors can now be defined to detail. Individual colors for Background, Normal, Operation, Headroom and Peak Hold.
 - Share Colors** • If ON, the color scheme is shared across bars in a view. If OFF, each bar can have its own colors scheme. So for instance Integrated can have one color while Momentary can have another.
 - Loudness Tolerances** • Tolerances can now be set for Momentary, Shortterm and Integrated parameters. Most loudness standards have a tolerance, for instance -23LUFS +/-1. The "+/-1" is the tolerance and can now be set as part of your preset.
 - Over Reset** • This function resets TP Overs and Peak Hold. It is valid when Peak Hold is set to manual.

Updates

- Loudness** • Weird behavior if Loudness Type was set to None. Fixed.
- Loudness Num** • In rare cases, the EBU Absolute scale was not correct. Fixed.
- The icon for Loudness NUM has been updated.
- Loudness NUM don't match the loudness bars. Fixed.
- LRA** • The Momentary Max value was not updated correctly. Fixed.
- The Scale Range was not set. Fixed.

WebApp – Application Leveling

New Features

- Fader** • Double tap the fader to set to 0 dB.

WebApp – View Editor

Updates

- Loudness Instruments** • Only instruments that make sense for a given loudness type will be displayed in the View Editor. In order to show the new loudness instruments in the View editor, you need to set Loudness Type to either "Dialog Gated" or "Netflix" specifically.

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 tailored.
- 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

Demo mode

- 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.
- 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

Bass Management

- If Bass Management is **Off**, there should be no LFE in the UI. Fixed.

Target Mono

- 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

- 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

- Graphical adjustment – the **Input Settings** and **Output Settings** buttons have been moved down. Fixed.

WebApp – Application Metering

New Features

- Numeric Loudness**
- Now you can decide which parameters to show rather than always showing all of them.

Updates

- PPM/Loudness**
- The absolute scale did not work correctly with some instruments. Fixed.
- PPM**
- The Nordic scale was offset. Fixed.
- LRA**
- LRA default mode should be **Magic**. Fixed.
- VU**
- 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**
- In some cases, labels were not aligned correctly. Fixed.
 - The scale was completely red. Fixed.
- Headroom Ref.**
- 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.

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