

Release Notes EN

RTW TouchControl 5 Firmware 2.1.3

Software version: rtw-tc5-fw_2.1.3.update

Build date: October 20th, 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 2.1.3

In a nutshell – several new features

- Several new features have been added, e. g.
 - the **Action** function for Open Sound Control (OSC) and HTTP request,
 - the **Ratio** instrument for the comparison of two measurements and the ratio between them,
 - the **Delay Compensation** functionality to align the instruments with each other when measuring Dialog Gated Loudness and
 - the **LFE Bleed** instrument to track high frequencies in the LFE channel,
 - the **Network Display** functionality as a license option for audio measurements in the network with a standard web browser.
- The Loudness NUM instrument was renamed to **Numeric** and contains the additional values LDR, BDR and PLR.
- The **Tools** application including instruments like **Label** and **Action** is always available in a preset now.

Device

New Features

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|---------------------------|---|
| Delay Compensation | <ul style="list-style-type: none"> All metering instruments now have outputs. The delay compensation is applied to the outputs so that the displays are aligned to what is heard when using dialog-gated loudness measurements (more details in section WebApp - Metering). |
| Network Display | <ul style="list-style-type: none"> We provide the Network Display functionality as a license option; its functions can be tested with the activated Demo mode. With the Network Display license activated, you can view real-time audio measurements anywhere on the local network using a standard web browser without the need for extra hardware. Just click the new Network Display button in the WebApp's main menu. Operate the display in the browser in the same way as on your device and, for example, display a different view of your current preset. Using your device's IP address, the display can be viewed in up to two additional web browsers on other computers in the network. |

Updates

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| Update procedure | <ul style="list-style-type: none"> Depending on network and browser, the installation can take time. It can help to select an empty preset before installing (like the RTW Empty preset from our web site). You might need to try a couple of times. After installing version 2.1.2, a new, user-guided update procedure is available, which significantly speeds up the process and makes it more secure. |
| Tools | <ul style="list-style-type: none"> The Action functionality has been added to the Tools application which is always available in a preset now (also see section WebApp - Tools). |

WebApp – General

Updates

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| Help | <ul style="list-style-type: none"> The context-sensitive help texts in the WebApp have been significantly expanded. They are enabled by default but can be switched off under System > Appearance > Show Help. |
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WebApp – Application Metering

New Features

Ratio instrument

- The **Ratio** Instrument lets you compare two measurements and get the ratio between them.
LDR is recommended for cinematic content in EBU R128 supplement 4, and as broadcasters are introducing recommendations, this gets more and more important. We will be updating our Loudness Blog to include Dialog recommendations moving forward.
We have made presets for various measurements, including LDR and BDR, so you don't have to set up everything manually.
Be aware that LDR and BDR are available only if you select dialog gated loudness types.
The Ratio Instrument is also good for comparing cross-application measures, such as Loudness before and after downmix and more.

Delay Compensation

- This function can be activated in the Metering > Edit menu
The VAD (Voice Activity Detector) that is used for dialog gated loudness measurements has a significant latency, due to the nature of what it does - it simply needs time to find out if the audio contains dialog. Therefore, we have introduced Delay Compensation, which does two things:
 1. It makes sure that all metering instruments within an application are aligned with each other.
 2. All metering instruments now have outputs, and the delay compensation is applied to the outputs. That means that what you hear and what you see is aligned.
 It is important to stress that delay compensation is needed only if you work with dialog gated loudness measurements. If you don't, the general latency of our metering should be of no concern.

LFE Bleed

- This instrument offers a simple way to track if you have high frequencies in your LFE channel.
You can set the frequency, default is 120Hz - and energy above this threshold will be displayed with a red bar.
It is always red, because you typically never want high frequencies in your LFE channel.
While you could also track this by using the RTA on the LFE channel, the LFE Bleed Instrument gives you a simple view for tracking an issue often reported by broadcasters and others.

Updates

Loudness NUM

- Loudness NUM has been renamed to simply **Numeric**.
We have added options for:

LDR (Loudness-to-Dialog-Ratio)

BDR (Background-to-Dialog-Ratio)

PLR (Peak-to-Loudness-Ratio)

As we introduce more and more measurements, the Numeric instrument can be rather comprehensive.

Be aware that you'd most probably never want to show all measurement at the same time.

You can open several instances of Numeric and each of them could contain only 1 measurement, if you want.

We have now made options to select **All** or **None**. This is handy as the number of selections are growing.

WebApp – Application Tools

New Features

Action

- This instrument includes a comprehensive feature set for Open Sound Control (OSC) and HTTP requests.

Outgoing (Transmit)

We have a new **Actions** button included in the instrument, and you can add as many actions to it as you want, so with the press of one button, you can send several actions.

Choose between **OSC TCP**, **OSC UDP** or **HTTP** request.

Beside the action button, you can actually add actions to ALL types of buttons. So you can add an action to MUTE, DIM, TALK, whatever.

This gives you the highest degree of flexibility to send OSC from almost everywhere.

Incoming (Receive)

You need to enable listening for incoming OSC events by switching the **Open Sound Control (OSC) Listener** option to **On** in the System > General menu.

We listen on network Port 8000, TCP.

The detailed implementation chart can be found in the blog article on web page: <https://www.rtw.com/en/blog/from-loudness-resets-to-preset-changes-meet-osc-on-rtw-devices.html>

Updates

Tools

- The **Tools** application is now removed from the setup wizard and always available.

Release Notes Firmware 2.0.13

In a Nutshell – Some new features

- Since TouchControl 5 and TouchMonitor 5 share many features, we've aligned their version numbering. Both products are now updated to version 2.0.13.
- In addition to bug fixes and minor internal changes, new elements have been added, in particular the Tools application, contextual help texts and the PLR and LDR loudness measurement options.

Device

New Features

Tools - Label

- The new application **Tools** provides useful additions and is always available in the View Editor. The included **Label** element can now be placed on the screen. You can adjust its color, font size, orientation, and more.

Updates

Preset button

- The Preset button at the bottom right has been relabeled and now displays the RTW logo instead of the word "Preset".

WebApp – General

New Features

Help

- Contextual help texts are now included throughout the system. They are enabled by default but can be switched off under System > Appearance > Show Help.

WebApp – Application Monitoring

Updates

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| SPL Meter | <ul style="list-style-type: none"> An issue where the Monitoring SPL meter displayed incorrect values has been fixed. |
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WebApp – Application Metering

New Features

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|-------------------------|---|
| Loudness Numeric | <ul style="list-style-type: none"> Two new Loudness measurement options are available: <ul style="list-style-type: none"> PLR (Peak-to-Loudness Ratio): This new measurement option shows the Peak-to-Loudness Ratio and is important for EBU128 measurements. LDR (Loudness-to-Dialog Ratio): This new measurement option shows the ratio between Integrated Dialog (ID) and Integrated Loudness (I) and is important for EBU128 measurements. |
|-------------------------|---|

Updates

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| Dialog Loudness | <ul style="list-style-type: none"> An issue where dialog loudness was not reset when resetting overall loudness has been fixed. |
| Edit Loudness | <ul style="list-style-type: none"> Dialog channel assignments are now recalled correctly. |
| BR IIa Scale | <ul style="list-style-type: none"> Inconsistent readouts between Moving Coil and PPM Instruments have been fixed. |
| Lock Setting | <ul style="list-style-type: none"> The Lock Setting feature now works as expected. |

WebApp – Application Tools

New Features

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|----------------------|---|
| Tools - Label | <ul style="list-style-type: none"> The new application Tools provides useful additions and is always available in the View Editor. The included Label element can now be placed on the screen. You can adjust its color, font size, orientation, and more. |
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