

# SOFTWARE RELEASE BULLETIN

## Release of VS-IS 7.1.3.0

To: All Zenitel Offices & Partners

August 26, 2022

### Release of VS-IS 7.1.3.0

Zenitel is pleased to announce the release of VS-IS 7.1.3.0. The package contains the following software and firmware:

- VSFF8-7.1.3.0: TKIV+/TCIV+/TMIV+
- VSFF6-7.1.3.0: Desktop V2 / Flush Master CRM-V-2 / Cleanroom IP-CROR
- VSFT-7.1.3.0: Turbine Compact/Extended
- Zenitel IMT ver. 3.1.3.0 - Intercom Management tool for PC
- Zenitel-Client ver. 1.6.3.1 - Soft Client for IC-EDGE system

Please note that Zenitel did not release VS-IS 7.0.3.x.

### Improvements, changes, and fixed issues

The main change in VS-IS 7.1.3.0 is the 'audio engine', the way audio is routed from inputs to outputs through the different algorithms, this to further optimize the audio experience provided by Zenitel devices

- Microphone and transmission levels are optimized to provide louder and clearer audio
  - When upgrading an already installed IP intercom to VS-IS 7.1.3.0, the IP intercom will transmit louder audio and this might affect the experienced audio level on site; Please refer to [https://wiki.zenitel.com/wiki/Device\\_upgrade\\_to\\_version\\_7\\_-\\_general\\_recommendations](https://wiki.zenitel.com/wiki/Device_upgrade_to_version_7_-_general_recommendations) for recommendations and a detailed explanation
- Audio level scales are now in dB taking ITU recommendations into account for the new default 0dB setting for stations and +10dB for IP-Speakers.
- New 'AEC mode' configuration with different degrees of AEC (Acoustic Echo Cancellation) suppression.
  - In previous software versions there was a 'Robust Duplex' setting for demanding environments/ challenging mechanics and high loudspeaker SPL; This now maps to AEC modes 'High' or 'Half-Duplex'.
- Loudspeaker DRC using Digital Signal Processing to provide 'Dynamic Range Compression' with a configurable gain increase; This gain can in many cases successfully be used to increase loudspeaker SPL output without needing to use the higher amplifier gain; It provides more control of the SPL output and AEC performance, even with varying signal levels from the other end of the conversation
- In Advanced Configuration there is a new experimental setting for the Acoustic Echo Cancellation, WebRTC AEC3 (only available for devices using VSFF6 and VSFF8 firmware); Zenitel will use the coming period to test more with this algorithm before officially adopting it; Customers who would like to use this already are free to do so; Please provide feedback to [alphasupport@zenitel.com](mailto:alphasupport@zenitel.com) on the effectiveness of the algorithm and any possible problems that might occur; Zenitel will take all feedback into its development process, but there will not be any fixes for problems that might occur with this algorithm until officially released

The device GUI reflects the corporate change in using the brand name Zenitel instead of Vingtor-Stentofon.

### **For other new features and bug fixes go to Zenitel Wiki**

Several other features have been added and some issues have been fixed in VS-IS 7.1.3.0. For details on all changes in this and previous releases, please see the 'Release Notes' section on [Zenitel Wiki: https://wiki.zenitel.com/wiki/Category:Release\\_notes](https://wiki.zenitel.com/wiki/Category:Release_notes)

### **Important for you to note!**

As stated in the paragraph above, VS-IS 7.1.3.0 further improves the audio quality. In certain projects this may mean that the audio levels need to be fine-tuned after a software upgrade from a previous version, especially when line-out is used for interfaces to radio or Public Address systems, this to avoid clipping. It is recommended not to mix devices with version VS-IS 7.1.3.0 and higher in the same system where devices with previous software versions are present if this can be avoided. Please refer to the wiki article for recommendations.

### **Compatibility with Zenitel IMT**

Earlier versions of VS-IMT can be used to upgrade devices to version VS-IS 7.1.3.0. But to make changes to the configuration, Zenitel IMT 3.1.3.0 must be used.

### **Availability / Download**

VS-IS 7.1.3.0 is now available on Zenitel Wiki.

You can find additional resources and download the software at: <https://wiki.zenitel.com/wiki/Downloads>

As software updates may be made available at any moment, it is always advisable to check for the latest available version on a regular basis. To be able to download software it is required to log in with a username and password. These can be obtained by sending an e-mail to [alphasupport@zenitel.com](mailto:alphasupport@zenitel.com). Please make sure that we can identify from the mail who you are.

### **Your Feedback**

If you have any questions related to this bulletin, please contact your local Zenitel sales representative. We look forward to further developing our cooperation in 2022 and are grateful for your continued business and support

Zenitel Group