



Wireless Systems Manager 4.5.2

System Requirements

Windows	Mac
Windows 10 (32 Bit/64 Bit)	macOS Big Sur 11
Windows 11 - not tested yet	macOS Monterey 12
8 GB RAM	8 GB RAM

Compatible Sennheiser Products

Product / Series	Required Firmware Version (or higher)
Digital 9000	4.0.1
Digital 6000	EM 6000: 3.1.1 L 6000: 2.0.11
EM 373x (COM) + EM 373x-II (COM)	2.2.0
Series 2000	1.8.1
Series 2000 IEM	1.8.1
ew 300 G4	1.2.0
ew 500 G4	1.2.0
ew IEM G4	1.2.0
ew 300 G3	1.8.0
ew 500 G3	1.8.0
ew 300 IEM G3	1.8.0

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Features

- It is now possible to delete multiple selected devices from the device list
 - Only disconnected devices will be deleted
- Hovering messages in the message tab will now show the full message in a tooltip
- EM 9046: For consistency with the display of the device, “TX Mute” has been renamed to “No Signal”
- The report in professional setup has been transferred to HTML format
 - This allows for easier support in modern web browsers

Resolved Issues

- A bug where a duplicate folder structure appeared in the user’s documents folder has been fixed
 - For a smooth clean-up we recommend deleting all WSM related folders in the user’s documents folder prior to the installation
- Mac: The remote access settings and the password for remote access are now kept across installations
 - Please note that uninstalling will not remove the password set
- Several tweaks concerning remote access and device communication, especially for the Digital 6000 series

Known Issues

- Leaving the spectrum analyzer open during match configuration can cause the application to crash



Previous Releases

Wireless Systems Manager 4.5.1

- Update of messages and their urgency
- Update of regional XML grid for Japan
- Support for MAC on new ARM processor technology
- Reworked marker behavior in Professional setup
- Fixed some property misbehavior of 3000s Series in regard to configuration files (noise threshold, squelch and match configuration)
- Extended EM 9046 network detection through different segments

Wireless Systems Manager 4.5.0

- Professional Setup
 - WSM now detects changed values in the system during professional setup. Users can decide to either continue with the original values or go with the changed ones.
 - WSM now also supports import of scan data from:
 - Shure Wireless Workbench (*.sdb2)
 - Rohde & Schwarz FSH/FPH (*.csv)
 - RF Explorer (*.csv)
 - Tektronix RSA (*.csv)
 - Aim TTI (*.csv)
 - Anritsu (*.csv, *.spa)
- Support of new new frequency ranges C-TH for ew IEM G4 and Cw-TH for ew 300-500 G4
- Users now get notified via the messaging system whenever a calculation-relevant property has changed
- Improved workflow of saving files in Spectrum Analyzer and RF Level Recorder
- MAC specific: introducing the typical installation workflow using drag&drop to the Application folder.
Please note that all previous installations (< 4.5.x) need to be removed before the drag&drop installation can be performed.
- Professional Setup
 - Resolved an issue where sometimes IM spacings have not been shown and respected in calculation results
- Spectrum Analyzer
 - Scans of EM 3732 are shown as a continuous graph now instead of being sliced into pieces
 - No more gaps appear in scans with EM 6000
- The first frequency in EM 9046 scan file (.csv) is saved correctly now
- MAC specific: Pressing “Enter” in properties window works now

Wireless Systems Manager 4.4.7

- Professional Setup
 - The lower and upper frequency range of system regions are now calculated based on selected carrier spacings and system frequency ranges of containing channels
 - Users are now notified on changes affecting correlated system regions
 - Analyzing the frequency spectrum does now work properly with configuration files containing a spectrum scan
- Remote Access
 - When using the password functionality for remote access, users now also need to enter the password during the start of WSM in case the remote access is active
- The default configuration is now remembered through update installations of WSM



Wireless Systems Manager 4.4.6

- Support of new macOS Catalina (10.15)
- EM 6000: Support of new transmission mode: Link Density (LD)
 - in Device Properties
 - in Professional Setup
 - in Monitoring Tiles
 - in Match configuration
- Messages Window
 - The tab is now highlighted when critical (red) messages are received
 - All messages sent from devices or channels are displayed in an aligned format now
- Professional Setup
 - Spacing parameters, except 2Tx IM(3), can be set to 0 kHz now for all devices
 - Spacing parameters can now have a max value of 975 kHz for all devices
 - Creating and maintaining empty system regions is now possible
 - System regions do not change their lower and upper frequency anymore when adding or removing channels
- Spectrum Analyzer
 - RF Threshold is now adjustable for digital devices
- Invalid error messages from old NET1 device support removed
- On match configuration the grid system of the selected scene will not change anymore
- Improved EM 6000 and L 6000 detection
 - We continue working on this issue which still happens from time to time

Wireless Systems Manager 4.4.5.1

- Some users experienced some issues starting WSM after installation. Those were caused by a missing Microsoft Visual C++ update. From 2019-06-27, we provide a new installer, including the required components of Visual C++. We recommend all users use the latest installer available.

Wireless Systems Manager 4.4.5

- Configuration enhancements
 - Double click .wsm files to start WSM with the clicked configuration
 - Start WSM with a specific configuration via cmd command
 - Configurations remember the last selected scene
 - Possibility to define a .wsm file as default configuration
 - Enable "Remote Access" is switched on by default
- Performance improvement by rework of the internal messaging system
- Bug fixes (see some highlights listed below)
 - Resolved scanning issues with Firmware 2.2.4 of EM 6000
 - Introduced missing Frequency range A5-A8 for SK/SKM 6000/9000
 - In device configuration EM 3732 frequencies are not set to default anymore after loading a configuration



Wireless Systems Manager 4.4.4

- Support of new bodypack SK 6212
- Support of new L 6000 charging module LM 6062 and associated battery pack BA 62
- Support of new frequency range K+ for ew G3 and 2000 series
- Bug fixes
- L 6000 warnings are now updated without restarting WSM
- L 6000 “Battery Too Hot” warning is now working properly when storage mode is set
- EM 6000 Double Dante ports are not changing IP on match configuration anymore

Wireless Systems Manager 4.4.3

- Support of new frequency range L-US for SKM 5200-II, SK 5212
- Support of new frequency range A5-A8 US for SK(M) 6000 and SK(M) 9000
- Support of new frequency ranges Gw1 and Aw+ for Series 2000
- Compatible with macOS Mojave
- Performance improvements
- Bug fixes

Wireless Systems Manager 4.4.2

- Corrected ew G4 frequency ranges

Wireless Systems Manager 4.4.1

- Support of ew G4 series

Wireless Systems Manager 4.3.2

- Support of EM 6000 firmware 2.0

Wireless Systems Manager 4.3

- Support of Digital 6000 series (EM 6000, SK/SKM 6000)
- Support of L 6000 charger

Wireless Systems Manager 4.2.6

- Bug fixes

Wireless Systems Manager 4.2

- For Digital 9000 systems with firmware version 3.0 or higher:
Audio streaming to Wireless System Manager version 4.2
- Support of Digital 9000 Dante module (EM9046 DAN)
- DANTE streaming to WSM