



# Sennheiser Control Cockpit Control Software (Version 9.0.0)

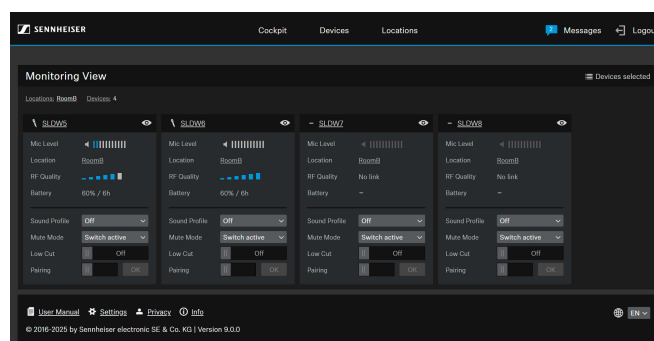
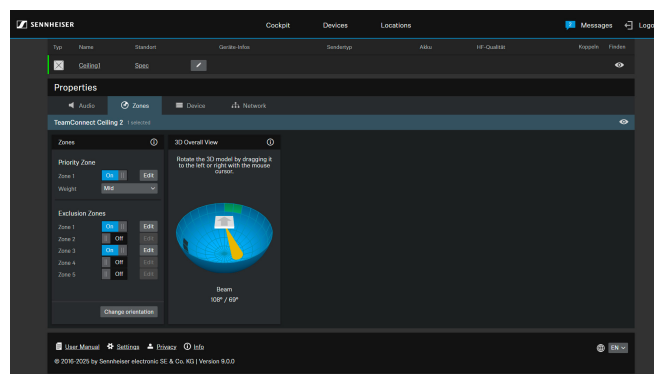
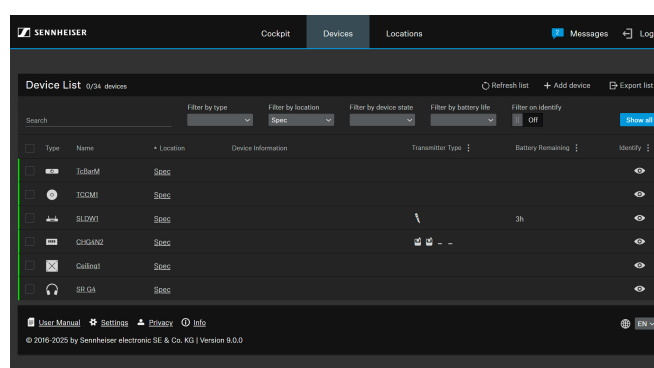
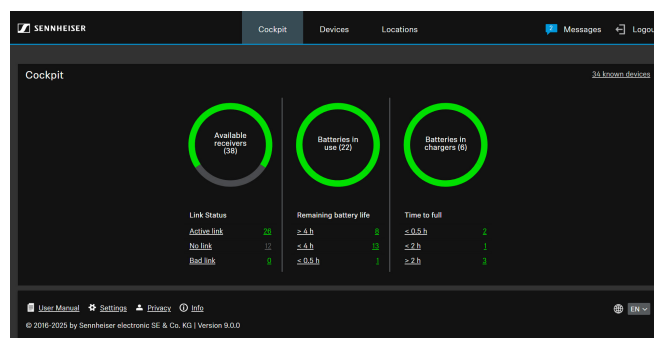
## KEY FEATURES

- Global system statistics – overview of the system status with key information at a glance
- Easy device identification – naming, localization and paging function for all devices
- Status monitoring of all microphones within a network (audio, wireless link quality, battery, network, settings)
- Search and filter functions – fast identification and detection of devices and settings
- Device view for seamless management and overview of many devices
- Mixed multi selection of devices of different product families
- Location view for clear overview of big installations
- Indication of which locations are currently in use
- Monitoring view for high level overview and control about all microphones in one location
- SMS / Email Push Notification on events or system warnings
- Event log – Easy tracking of past notifications and alerts
- Responsive Design – outstanding usability on any mobile device running iOS, Android or Windows
- Localized in multiple languages
- Seamless software and firmware updates
- Built-in interactive manual with search function for detailed information
- Global password protection and SSL encryption ensure a secure access and data transfer
- Notification profiles with notification and subscription preferences
- Out of range detection for SpeechLine Digital Wireless transmitters with email and SMS notification
- Advanced beam configuration for TeamConnect products with a real-time visualization

Sennheiser Control Cockpit is the central software for easy handling, control and maintenance of the entire Evolution Wireless Digital, SpeechLine Digital Wireless, evolution wireless G3/G4 and Digital 6000 portfolio as well as the TeamConnect family. The easy-to-use Sennheiser Control Cockpit provides a global overview of all network-enabled devices at all times. It shows all status information at a glance and makes setting adjustments for one or multiple devices at the same time very easy. The locations overview connects the locations of all components to their respective status information, so the user always knows the location and status of a specific device.

The software is accessible everywhere in the intranet via web browser across all platforms.

As a result, the software allows you to manage even huge setups with hundreds of devices with very low efforts.



download at

[www.sennheiser.com/control-cockpit-software](http://www.sennheiser.com/control-cockpit-software)



# Sennheiser Control Cockpit

## Control Software (Version 9.0.0)

### SERVER SYSTEM REQUIREMENTS

#### Recommended for Host PC

- Intel i5 Dual Core processor or similar
- 8 GB RAM (16 GB for large setups)
- at least 1 GB hard disk space
- Gigabit LAN interface
- Windows 10 (x64) or higher
- IPv4 network

#### Client

- Browser:
- Google Chrome (latest version)
  - Mozilla Firefox (latest version)
  - JavaScript must be activated

### PORT REQUIREMENTS (🔒 INBOUND | 🔓 OUTBOUND)

**Application layer** (application path: ControlCockpit.Application.ServiceHost.exe in the Control Cockpit installation directory)

Port	Protocol	Service	Product
🔒 443	HTTPS	Web UI / Update service	Sennheiser Control Cockpit
444	HTTPS	Internal Communication Port	Sennheiser Control Cockpit
Note: The WEB UI and internal communication ports are set to 443 and 444 respectively by default but can be changed by the user during installation.			

**Transport layer** (application path: DeviceApiHost\Sennheiser.DeviceApi.Host.NetCore.exe in the Control Cockpit installation directory)

Port	Protocol	Service	Product
🔒 22	SCP/SSH	Certificate management	TeamConnect Ceiling 2, TeamConnect Ceiling Medium SpeechLine Digital Wireless Multi-Channel Receiver
🔒 22	SCP/SSH	SCP Firmware update	TeamConnect Ceiling 2, Evolution Wireless Digital EW-DX EM 2 /2 Dante /4 Dante (firmware version <4.0.0), SpeechLine Digital Wireless Multi-Channel Receiver
🔒 45   6970	UDP TCP	SSC Sound Control Protocol	TeamConnect Ceiling 2
🔒 45   6970	UDP TCP	SSC Sound Control Protocol	Evolution Wireless Digital EW-DX EM 2 /2 Dante /4 Dante (firmware version <4.0.0)
🔒 45   6970	UDP TCP	SSC Sound Control Protocol	SpeechLine Digital Wireless
🔒 45   6970	UDP TCP	SSC Sound Control Protocol	Digital 6000
🔒 69	TFTP	Firmware Update	Digital 6000
🔒 443	TCP	SSC Sound Control Protocol v2	TeamConnect Ceiling Medium, TeamConnect Bar, Evolution Wireless Digital EW-DX EM 2 /2 Dante /4 Dante (firmware version ≥ 4.0.0)
🔒 5353		mDNS (Multicast 224.0.0.251)	TeamConnect Ceiling 2, TeamConnect Ceiling Medium, TeamConnect Bar, Digital 6000, Evolution Wireless Digital EW-DX EM 2 /2 Dante /4 Dante (firmware version ≥ 4.0.0)
🔒 5353	UDP	mDNS	SpeechLine Digital Wireless
🔒 57811	UDP	Firmware Update	SpeechLine Digital Wireless Rack Receiver
🔒 57811	UDP	Firmware Update	Network-enabled chargers CHG 2N/4N/70N
🔒 6970	UDP	SSC Sound Control Protocol	Digital 6000
🔒 8133	UDP	All IP-Communication	evolution wireless G4
🔒 8137	UDP	mDNS (Multicast 224.0.0.225)	evolution wireless G4



# Sennheiser Control Cockpit

## Control Software (Version 9.0.0)

### SPECIFICATIONS

Language support	Compatible Sennheiser products
<ul style="list-style-type: none"><li>• English</li><li>• German</li><li>• French</li><li>• Spanish</li><li>• Chinese</li></ul>	<ul style="list-style-type: none"><li>• Evolution Wireless Digital</li><li>• SpeechLine Digital Wireless</li><li>• TeamConnect Ceiling 2</li><li>• TeamConnect Ceiling Medium</li><li>• TeamConnect Bar S/M</li><li>• evolution wireless G3</li><li>• evolution wireless G4</li><li>• Digital 6000</li><li>• MobileConnect Manager</li></ul>

### ARCHITECT'S SPECIFICATION

A software shall enable the user to set up, control and monitor all components of wireless microphone systems like Evolution Wireless Digital, SpeechLine Digital Wireless, evolution wireless G3 & G4, Digital 6000 TeamConnect Ceiling 2, TeamConnect Ceiling Medium as well as the TeamConnect Bar S/M via a network, thus allowing to manage even large installations with hundreds of devices.

The software shall be installed and running on a server with Windows 10 or higher. The user interface shall be browser-based and shall be accessible across all platforms from any device (e.g. smartphone, tablet, and computer) in the intranet using a web browser. The software shall have a responsive design so that the layout and sizing automatically adapts to any smartphone, tablet or computer screen size. Password protection shall be available in order to protect the system from unauthorized access.

The user interface shall provide a dashboard view that displays the number of available microphone links together with link status information, the number of the devices in use together with battery status information.

The user interface shall feature a device list view, which displays all devices in the network in list form with key information. For easy asset management, each row in the list shall provide detailed device information such as device type and name, location, link activity, last online status, battery health, battery status, charging cycles, firmware version, product family, serial number, and shall feature "Identify", "Pairing" and "Delete" buttons for identifying the paired device within the network, pairing new devices or deleting devices from the network. It shall also feature check boxes for selecting and editing multiple devices of one or several product families at a time. The device list shall feature different filtering possibilities including a live search with instant filtering.

The software shall allow the user to edit audio settings, system settings and network settings of one device or multiple devices at a time. Audio settings shall include at minimum the following functions: Sound Profile selection or EQ setting, Low Cut, audio level indication, XLR audio output level setting, audio beam configuration and Audio Reset. System settings shall include but not be limited to: Firmware Info (with possibility of firmware update and firmware upload), Display Brightness, Mute Switch, Auto Lock, RF Sync, RF Power, Out of Range Detection with email and SMS notification, Walk Test, LED color and brightness configuration and Factory Reset. Network settings shall include at minimum the following: IP Settings.

The user interface shall also feature a locations list view which provides an overview of locations and shows the locations of all devices in the network, the number of devices per room as well as device type information. Via the locations list the user interface shall feature a clearly structured monitoring view for each location, which allows the user to monitor the most important status information of all devices in that location at a glance.

A message and notification system with user-definable notification profiles shall inform the user about relevant updates or critical events, such as battery warnings or newly discovered devices, for designated locations and time ranges. Multiple SMS and/or email recipients shall be configurable.

The software shall be the Sennheiser Control Cockpit.