



Sennheiser Control Cockpit Control Software (Version 2.0.0)

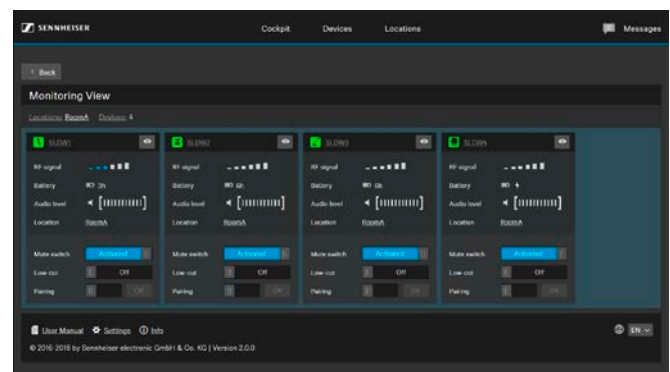
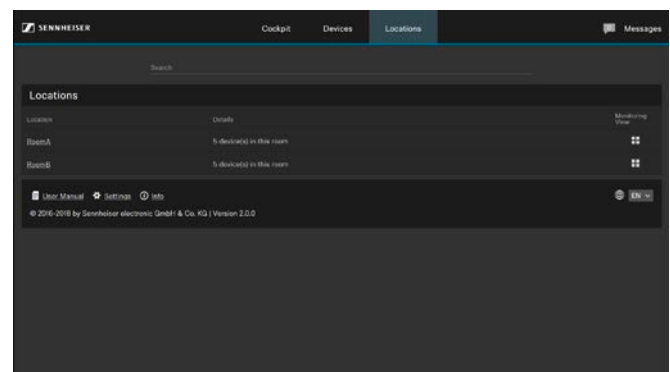
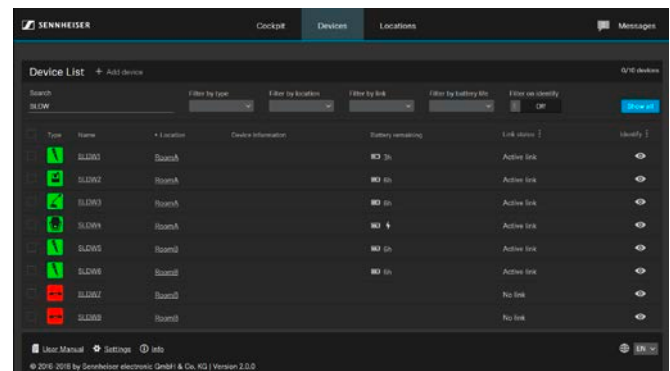
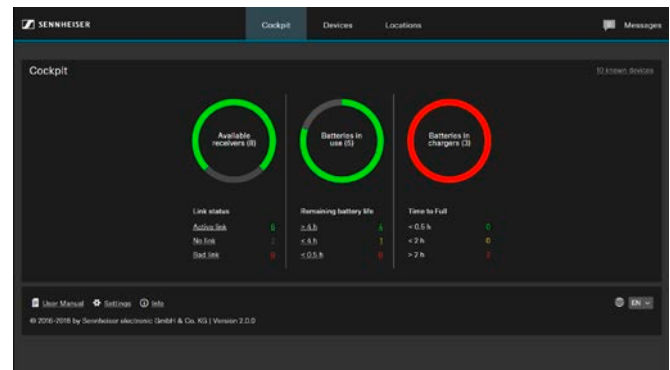
KEY FEATURES

- 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
- Location view for clear overview of big installations
- Monitoring view for high level overview and control about all microphones in one location
- SMS / E-mail 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 for secure access
- Notification profiles with notification and subscription preferences

Sennheiser Control Cockpit is the central software for easy handling, control and maintenance of the entire SpeechLine Digital Wireless and evolution wireless G3 and G4 portfolio. 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.





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WORKFLOWS

| KEY WORKFLOW AREAS | WORKFLOWS |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| SETUP | Language selection via browser setting or language selector |
| | Password settings for secured access to Sennheiser Control Cockpit |
| | Adding device automatically (discovery via mDNS) |
| | Adding device manually via IP address, IP range or listed in CSV file |
| | Configure location settings such as location name |
| | RF Setup: Multi-Room-Mode Setup |
| | RF Setup: Adjust RF power settings |
| | RF Setup: Walk test mode to test & verify RF robustness |
| | Audio Setup: Choose sound profile or adjust custom EQ |
| | Audio Setup: Adjust output level |
| | Audio Setup: Adjust gain settings |
| | Network Setup: Configure IP mode and address |
| | Network Setup: Configure device discovery mode (mDNS) |
| | Notification Setup: Define recipients and way of communication (email/SMS) |
| | Notification Setup: Subscription profiles to type of alerts or notifications, time range and locations of interest |
| | Notification Setup: Setup of messaging services for email and SMS distribution via provider |
| | MONITORING |
| Battery management: Filtering and sorting battery status information such as remaining battery life, time-to-full charge or battery health | |
| Searching and filtering for fast access to devices or status information | |
| Global dashboard statistics of RF devices in use, batteries in use, batteries being charged | |
| Location based operation: Sortable and searchable location list with device overview | |
| Location based operation: Operator's view for easy monitoring and control of relevant key properties during events | |
| Status information of live values such as audio, RF, battery and meta information such as name, location and serial information | |
| Permanent monitoring of battery status indication while operation and charging | |
| Easy identification of devices, locations and status information | |
| Software based device list filtering on hardware identification | |
| Display of on-screen and push notification or alerts in case of events | |
| email and/or SMS notification (configurable) in case of relevant events or alerts | |
| Battery management: Indication of wireless charging process | |
| Management and monitoring of SpeechLine Digital Wireless and evolution wireless G3 and G4 devices simultaneously | |
| Messages overview as log of alerts, notifications and events with time stamp, device and location flag | |
| Search and sort function for messages | |



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WORKFLOWS

| KEY WORKFLOW AREAS | WORKFLOWS |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONTROL | <ul style="list-style-type: none">Two-way device identification via button-press on device or remotely via softwareFull remote access to all hardware settings via softwareSingle or multi device selection to change common propertiesRemote reset of audio settingsRemote reset to device factory defaultsRemote device restart triggerRemote trigger of pairing process |
| ASSISTANCE | <ul style="list-style-type: none">Easy to follow workflow assistance to quickly solve problemsIntegrated and searchable online manualContextual advice and assistive information to easily identify and perform assistanceRemote trouble shooting (e.g. unmuting a muted mic) instead of walking to every room for inspectionOn-screen notification in case of events or updates providing contextual support recommendationemail and/or SMS notification in case of relevant (configurable) events or alertsBeing informed and notified to prepare before failure instead of fixing when battery runs lowRemote initiation of pairing process to prepare a spare microphone in case of empty batteriesIntegrated demo mode for seamless try-out of software functionality |
| MAINTENANCE | <ul style="list-style-type: none">Instant notification in case of available updatesSeamless update procedures of software and device firmwareBatch update of multiple devices at onceService relevant information such as battery health for continuous reliable operation |

SERVER SYSTEM REQUIREMENTS

Recommended for Host PC

- Intel i5 Dual Core processor or similar
- 4 GB RAM
- at least 1 GB hard disk space
- Gigabit LAN interface
- Windows 7 or higher
- IPv4 network

Client

Browser:

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

SPECIFICATIONS

Language support

- English
- German
- French
- Spanish

Compatible Sennheiser products

- SpeechLine Digital Wireless
- evolution wireless G3
- evolution wireless G4



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ARCHITECT'S SPECIFICATION

A software shall enable the user to set up, control and monitor all components of wireless microphone systems like SpeechLine Digital Wireless and evolution wireless G3 & G4 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 7 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. 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. Each row in the list shall provide detailed device information such as device type and name, location, link activity, battery status, 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 at a time.

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 and Audio Reset. System settings shall include but not be limited to: Firmware Info (with buttons for firmware update and firmware upload), Display Brightness, Mute Switch, Auto Lock, RF Sync, RF Power, Walk Test 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 e-mail recipients shall be configurable.

The software shall be the Sennheiser Control Cockpit.